

LIFE

HUGE MIDDLE EAST PLOT:
ANATOMY OF A SPY RING
—
HOW TO INSPECT RUSSIA
FROM 40,000 FEET UP



SHINING YOUNG BROADWAY STARS

20 CENTS

NOVEMBER 21, 1955



QUALITY CRAFTSMANSHIP STYLE

FORSTMANN
100% VIRGIN WOOL

*Look for this label...it identifies
the finest wools in the world*

DRESS OF WONDERFUL "CHARMEEN"
IN HIBISCUS COLOR. THE COAT OF
"FLORIA," A FABRIC OF ELEGANCE AND
BEAUTY. SIMILAR DRESSES AND COATS
AT LEADING STORES IN YOUR CITY. OR
THESE FAMOUS FORSTMANN FABRICS
MAY BE PURCHASED BY THE YARD.

FORSTMANN WOOLEN COMPANY
PASSAIC, N. J.



Here's the Christmas gift that's even better than giving him a private barber!

New-type Electric Shaver by RONSON shaves with real razor-blade closeness—because it has the thinnest shaver head!*

If your favorite man insists on a really close shave, with the convenience of modern electric shaving, he'll love the new Ronson! Because it's the only electric shaver that gives him—

Real razor-blade closeness! Here's why: Every electric shaver has a shaver head that shields his face from the shaver's cutting blades. The thinner this head, the closer the blades can get to the base of his whiskers. And Ronson has the thinnest shaver head! Toughest, tempered steel, yet thinner than this page. What's more:

Ronson's 32 razor-sharp cutting blades whiz back and forth to give 26 million cutting actions per minute! And, the Ronson's quieter! Instead of whining or roaring, it purrs!

Power-cleaning, too! The Ronson actually cleans itself—automatically. It's self-sharpening. Lubricated for life! And—here's a pleasant surprise:

You save up to \$10 compared with other leading shavers when you choose a Ronson at only \$19.95. The finest electric shaver at any price!

No risk! Because Ronson (and *only* Ronson) gives you a 21 day FREE trial! What could be fairer? Give him Ronson's revolutionary new-type electric shaver for Christmas!

\$7.50 "trade-in" for your old shaver!

If you have an old electric shaver, you can get a \$7.50 allowance regardless of condition! This means you buy the new Ronson at the low, low price of \$12.45 with trade-in!

*American Standards Testing Bureau Inc. proves Ronson head thinnest in active shaving area.



In durable plastic case **\$19⁹⁵**

Only **\$12⁴⁵** with trade-in allowance.

© 1955 RONSON CORP., NEWARK 2, N. J.

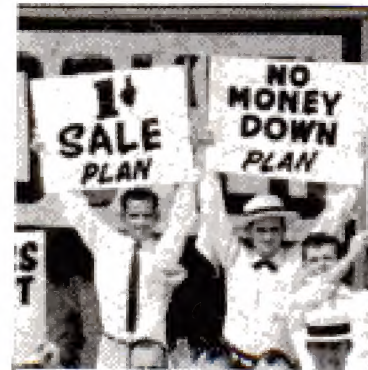
RONSON

maker of the world's greatest lighters and electric shavers!

TUNE IN "DOUGLAS EDWARDS WITH THE NEWS" EVERY WEDNESDAY AND FRIDAY EVENING ON CBS-TV!

Are we too much on the cuff? 33

As U.S. economy roars ahead, LIFE takes a suspicious look at the rate of Americans' instalment buying, which has reached an all-time high.



SIGNS OF SPENDING

A streetful of talent 101

Broadway's big theatrical season produces a bevy of capable beauties, identified in table of contents (upper right), to carry off some top stage honors.



BOX OF BROADWAYITES

Eisenstaedt revisits Ethiopia 80

After 20 years a noted photographer returns to find startlingly modern and prosperous a ragged land he last saw preparing to resist Mussolini.



KING AND ROYAL GUEST

Nearing below-zero hour 63

How, amidst the confusion of howling dogs and spoiling squid, a huge Navy task force, now en route to Antarctica, prepared for a polar summer.



PEMMICAN EXPERT

Guarding peace from the air 162

LIFE's study of the science of aerial reconnaissance shows just how much the President's plan could reveal of Russia's military intentions.



GLOBAL CAMERAMAN

Inside story of a spy ring 172

On the heels of Soviet meddling in the Mideast comes an exclusive account of how the Iranian army exposed and destroyed an espionage machine.



THE ARMY CLOSES IN

COVER

Judy Tyler, Jayne Mansfield, Diane Cilento, Lois Smith and Susan Strasberg, five shining young stars who are helping Broadway to its biggest season in years, pose in a theater box (see pp. 101-108)

THE WEEK'S EVENTS

A hard look at consumer credit	33
Ike is up and around and everyone is glad	40
Cringing Moroccan pasha does up-down-up penance before his old foe	42
A Look at the World's Week	44
Democrats have a point, especially in Indiana	51
Diplomatic side trips and then . . . an impasse in Geneva	54

EDITORIALS

Let's keep the Geneva spirit	46
Homeless in Gaza	

PHOTOGRAPHIC ESSAYS

Ethiopia, 20 years after: on his second journey, a photographer finds an ancient land astir. Photographed for LIFE by Alfred Eisenstaedt	80
New tools and techniques for aerial reconnaissance	162

ARTICLES

Operation ante-freeze: with prefabs and great pains, the Navy gets under way to Antarctica. By Mary H. Cadwalader	63
The anatomy of a Red spy ring: complete machinery of a vast plot against Iran is exposed for first time. By Isaac Don Levine	172

EDUCATION

Pre-school fathers share children's games at Croton nursery	75
---	----

THEATER

Broadway fountain of youth: gifted girls from 17 to 24 carry off stage honors in a big theatrical season	101
--	-----

ART

Museum Director's Choice: Santa Barbara Museum of Art director selects the spirited art of an unknown painter	111
New art at close view: four color pages of magnified details from Carnegie show dramatize painters' approaches	134

RELIGION

Three modern chapels, serving Protestants, Catholics and Jews, are dedicated together at Brandeis U.	113
--	-----

FASHION

Horseless riding clothes lead styles away from the stable	123
---	-----

MEDICINE

Even children try out huge radiation counter in Los Alamos	129
--	-----

SCIENCE

Conference in Phoenix assesses world progress in solar energy	139
---	-----

AVIATION

A young engineer's improvement in design is greatest advance in aviation since the beginning of the jet age	147
---	-----

MOVIES

Battle in a belfry: chivalry wins in "Quentin Durward"	157
--	-----

PARTY

Ohio State fraternity buys fire engine and throws firehouse fling	192
---	-----

OTHER DEPARTMENTS

Speaking of Pictures: a painter puzzler	22
Letters to the Editors	28
Miscellany: log-bogged dog	194

© 1955 TIME INC. ALL RIGHTS RESERVED UNDER INTERNATIONAL AND PAN-AMERICAN COPYRIGHT CONVENTIONS

The following list shows the sources from which pictures were gathered. Credits are separated from left to right by commas, top to bottom by dashes.

COVER—© PHILIPPE HALSMAN	70—GREY VILLET—U.S. NAVY PHOTO
2—ROBERT W. KELLEY—© PHILIPPE HALSMAN—ALFRED EISENSTAEDT—FRANKIE DI GENNARO—PETER STACKPOLE—ILLUSTRATION BY WALTER RICHARDS	75, 76, 79—YALE JOEL
22, 23, 24—ROBERT GALBRAITH	80—T. RT., ANNE CHAMBERLIN
31—JON BRENNELS	92, 94, 96—MYROSLAV ANDREW MAKSYMIEC
33—ROBERT W. KELLEY	101—WILLIAM HELBURN
34, 35—LT. LOOMIS DEAN: RT. LOOMIS DEAN—ALBERT FENN, LOOMIS DEAN—JOERN GERDTS	102—PHILIPPE HALSMAN, GORDON PARKS—GENE COOK
36—ILLUSTRATIONS BY RICHARD ERDOES—N.R. FARBMAN—BOB SCHWALBERG (2)	104—LEONARD MCCOMBE EXC. T. RT. GORDON PARKS
37—LOOMIS DEAN—BOB SCHWALBERG (2)	106—WILLIAM HELBURN
38—MARSHALL LOCKMAN, JOE SCHERSCHER—MAX PLAKE—LOOMIS DEAN, ROBERT W. KELLEY	108—PHILIPPE HALSMAN EXC. BOT. WILLIAM HELBURN
39—ROBERT W. KELLEY	111—ILLUSTRATION BY ADOLPH E. BROTMAN—HENRY BASKERVILLE—KARL OBERT, A.P.S.A.
40, 41—ARTHUR ELLIS FOR WASHINGTON POST-TIMES HERALD FROM A.P.—GEORGE SKADDING, INT. (2)	113—LAURENCE LOWRY
42, 43—TELE PHOTO, INT.—TELE PHOTO (2)—SCOOP	114, 117, 118—VERNER REED
44, 45—LT. GREY VILLET—PARIS-MATCH; GEN. DONALD R. TAYLOR—EDMUND Y. LEE, U.P., INT.; RT. W.W.	123, 124—PAUL HIMMEL
51—ROBERT LAVELLE FOR THE INDIANAPOLIS NEWS, BYRON SCOTT FOR THE EVANSVILLE PRESS—MAP BY TONY SODARO—CLYDE THORNBURG FOR THE MUNCIE NEWSPAPERS, INC., BILL SAIDER FOR THE NEW CASTLE COURIER TIMES, HOWARD ARCHER FOR THE ROCHESTER NEWS-SENTINEL	129, 130—GEORGE KEW
52—FRANCIS MILLER—MICHAEL ROUGIER	134 THROUGH 137—HERBERT ORTH
54—LT. PAUL PIETZSCH FROM B.S.—U.P.—THOMAS MCAVOY: RT. THOMAS MCAVOY (2)	139—BILL SEARS FROM B.S.
63—VERNER REED—HANK WALKER	140, 142—J. R. EYERMAN
64—MAP BY TONY SODARO—GEORGE SKADDING	147—GEORGE SILK
66—FRANKIE DI GENNARO	148—ILLUSTRATIONS BY MATT GREENE
68—GREY VILLET	150, 152—GEORGE SKADDING
	157, 158, 161—M.G.M.
	162—PETER STACKPOLE
	163 THROUGH 166—U.S. AIR FORCE PHOTOS
	167—U.S. AIR FORCE PHOTOS EXC. GEN. PETER STACKPOLE
	168, 169—U.S. AIR FORCE PHOTOS
	170—PETER STACKPOLE, FRANCIS MILLER—N. R. FARBMAN
	172, 173—ILLUSTRATION BY WALTER RICHARDS
	174—BOT. WALTER B. LANE
	188—T. ILLUSTRATION BY MATT GREENE
	191—RT. GJON MILI
	192, 193—JOHN ZIMMERMAN

ABBREVIATIONS: ©, COPYRIGHT; BOT., BOTTOM; CEN., CENTER; EXC., EXCEPT; LT., LEFT; RT., RIGHT; T., TOP; A.P., ASSOCIATED PRESS; B.S., BLACK STAR; INT., INTERNATIONAL; U.P., UNITED PRESS; W.W., WIDE WORLD; THE ASSOCIATED PRESS IS EXCLUSIVELY ENTITLED TO THE REPUBLICATION WITHIN THE U.S. OF THE PICTURES HEREIN ORIGINATED OR OBTAINED FROM THE ASSOCIATED PRESS.



Once you've tried it, you'll never give it up

"Love at first sight" describes the way you'll feel about the new Royal Standard Typewriter.

Try its touch. Light and easy, isn't it? Now, tabulate a bit... with a simple twist of the wrist. Or set margins. Click! That's all you do with Royal's famous "Magic"® Margin.

Try *every* control key. Easy, aren't they? They were built with you in mind.

Royal Standard Typewriters are preferred 2¼ to 1 by people in business who type. Royal Standards are rugged. They take less time out for repairs.

So, how about a free trial? Your Royal Representative will be glad to bring a new Royal Standard to the office.

This typewriter comes in green, pink, blue, yellow, brown and gray. Pick your color. Then, call him and tell him which color Royal Standard you would like to try.

They are all beauties.

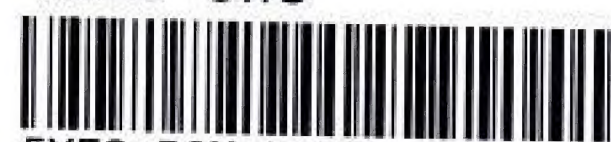
But we warn you... once you've tried it, you'll never, no never, give it up.



ROYAL® *standard electric • portable • Roytype*® business supplies

Royal Typewriter Company, Division of Royal McBee Corporation

This One



5YFG-R3N-LS6X



How Equitable's Living Insurance has

Back in the old days, the average owner of a mortgaged home had reason to be fearful.

If he lost his job or met with financial reverses, he was in immediate danger of a forced sale. And if he died before his mortgage was paid, his widow and children might have to move to smaller quarters.

In either event, there just wasn't any kind of plan which guaranteed real protection for homeowners by combining a mortgage loan with insurance coverage.

The lack of such a plan was first recognized by The Equitable. For it has always been The Equitable's guiding philosophy that the major responsibility of an insurance

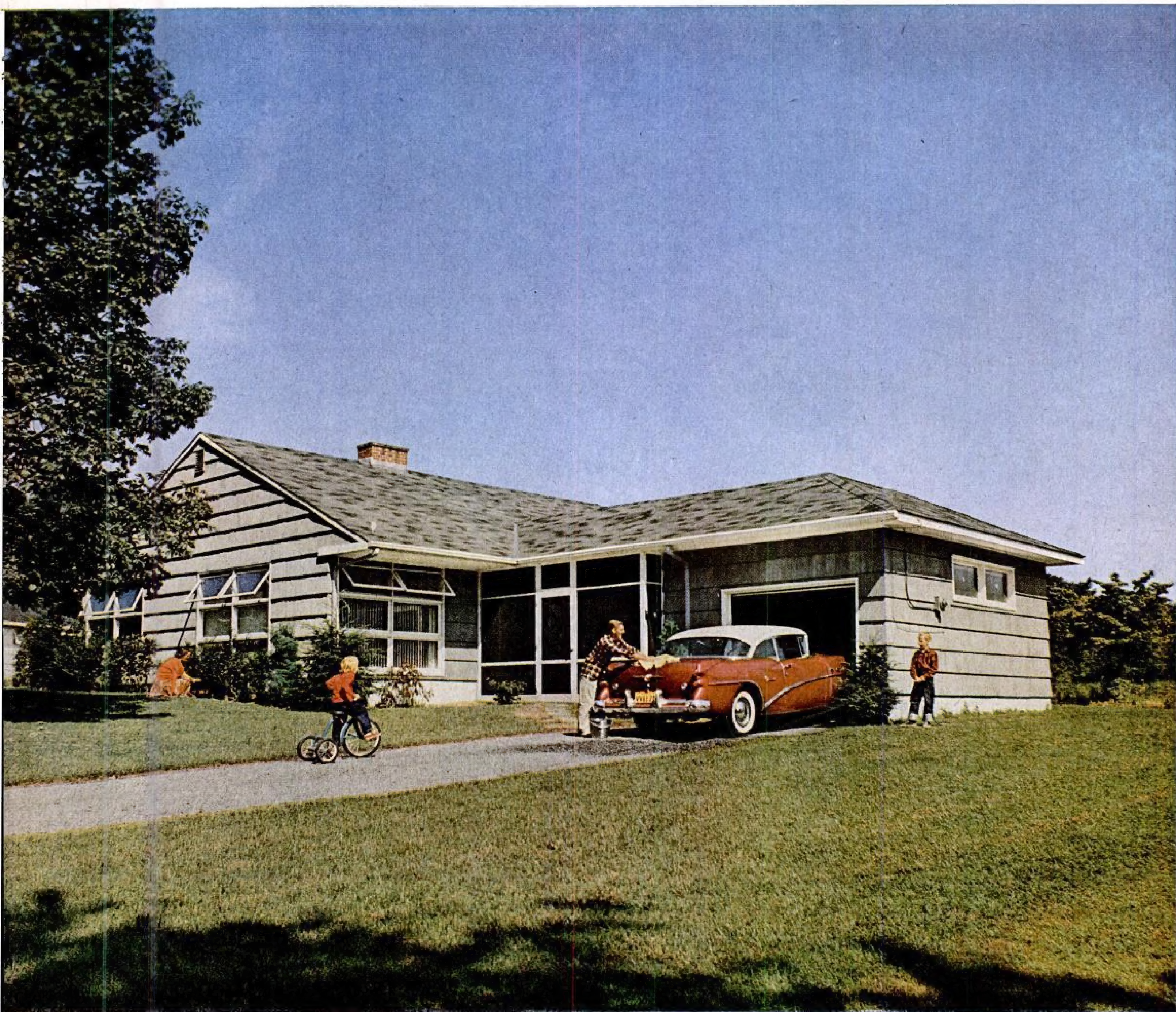
company is to offer services that fulfill the needs of the living, and the needs of ever-changing times.

A MODERN CONCEPT

In 1910, Equitable introduced a plan that marked a great forward step in home financing. Today it still remains the most dynamic concept ever developed in its field.

It is called the Assured Home Ownership Plan (or AHO). This plan can give a man the assurance that his house will remain the property of his family as long as they wish.

AHO lends the money to finance a home. Regular payments guarantee that the mortgage will be paid in full whether the owner lives or dies. And *if* he should die before



brightened the picture for homeowners

Completing payments, not only will his family own their home outright, but all money paid to reduce the mortgage will then be returned to them.

PROVED BY 45 YEARS SERVICE

In the 45 years since its inception, AHO has brought benefit after benefit to 250,000 American homeowners who have qualified for the plan. Through AHO, they have discovered—for themselves and their families—a unique type of security in homeownership.

Here is a service typical of so many brought to the public for the first time by The Equitable. *Here is Living Insurance in action!*

LIVING INSURANCE
by **EQUITABLE**

The Equitable Life Assurance Society of the United States.
Home address: 393 Seventh Avenue, New York 1, N. Y.

Celanese

CORPORATION OF AMERICA, NEW YORK 16, N. Y.

YOU CAN RELAX... THIS IS

ARNEL*

TRIACETATE

Arnel, Celanese' new ease-of-care fiber makes possible a handsome shirting that almost takes care of itself. The final word in wash-and-wear, this fabric of Arnel needs little ironing, is safe in any laundry, dries quickly, and resists wrinkles wonderfully. The Futura shirt is styled with a touch of Oriental splendor in soft new colors. Can you think of a better Christmas gift? About \$7.95

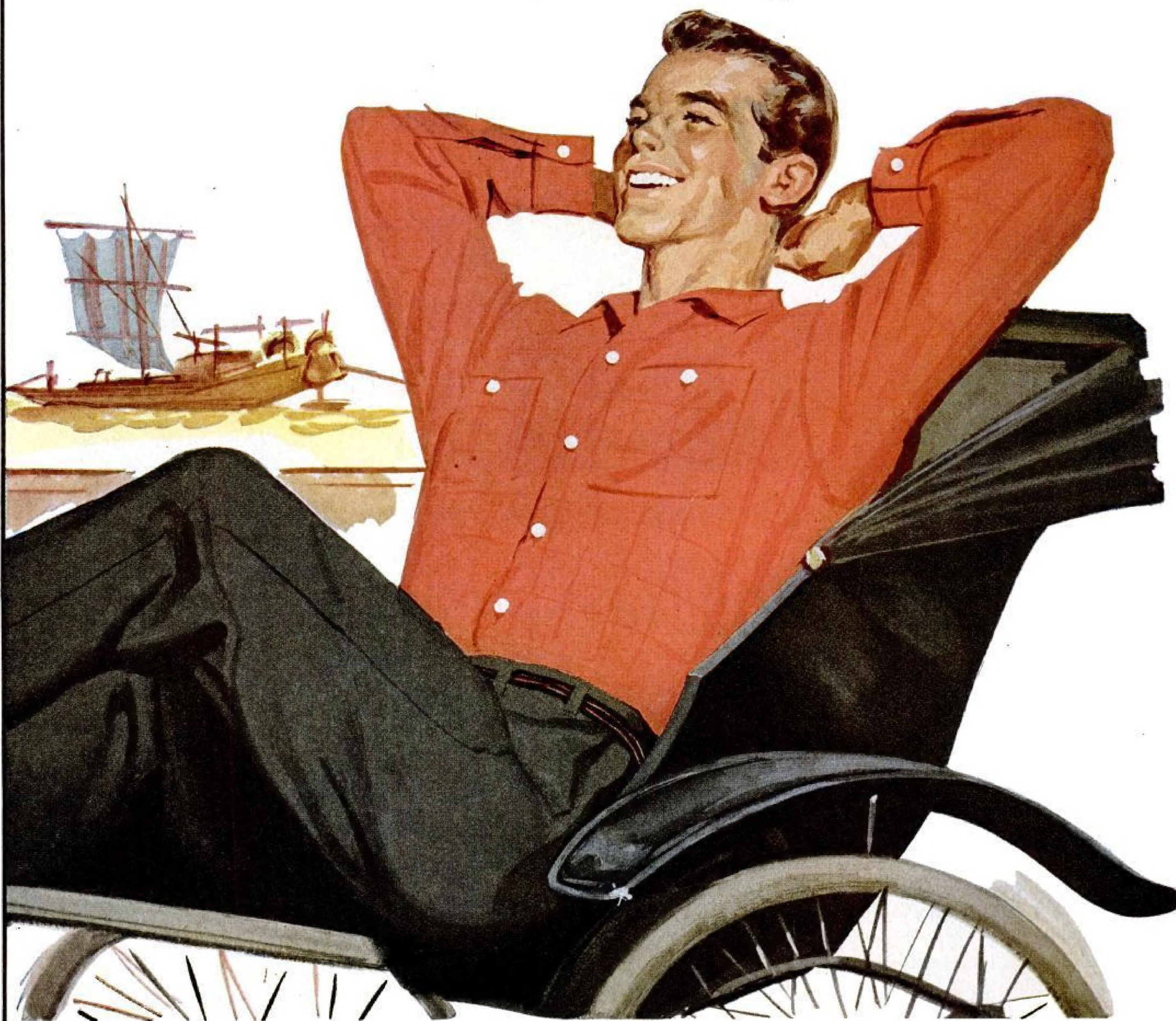
McGREGOR Futura Sportshirt boasts the Tempo soft-roll one-piece convertible collar. Sizes: S, M, ML, L.

BURLINGTON'S shirting of Arnel comes in light blue, light gray, charcoal, tan, white, wood gold, peacock, toast, cameo, mint green, Pompeii green, hollyberry red.

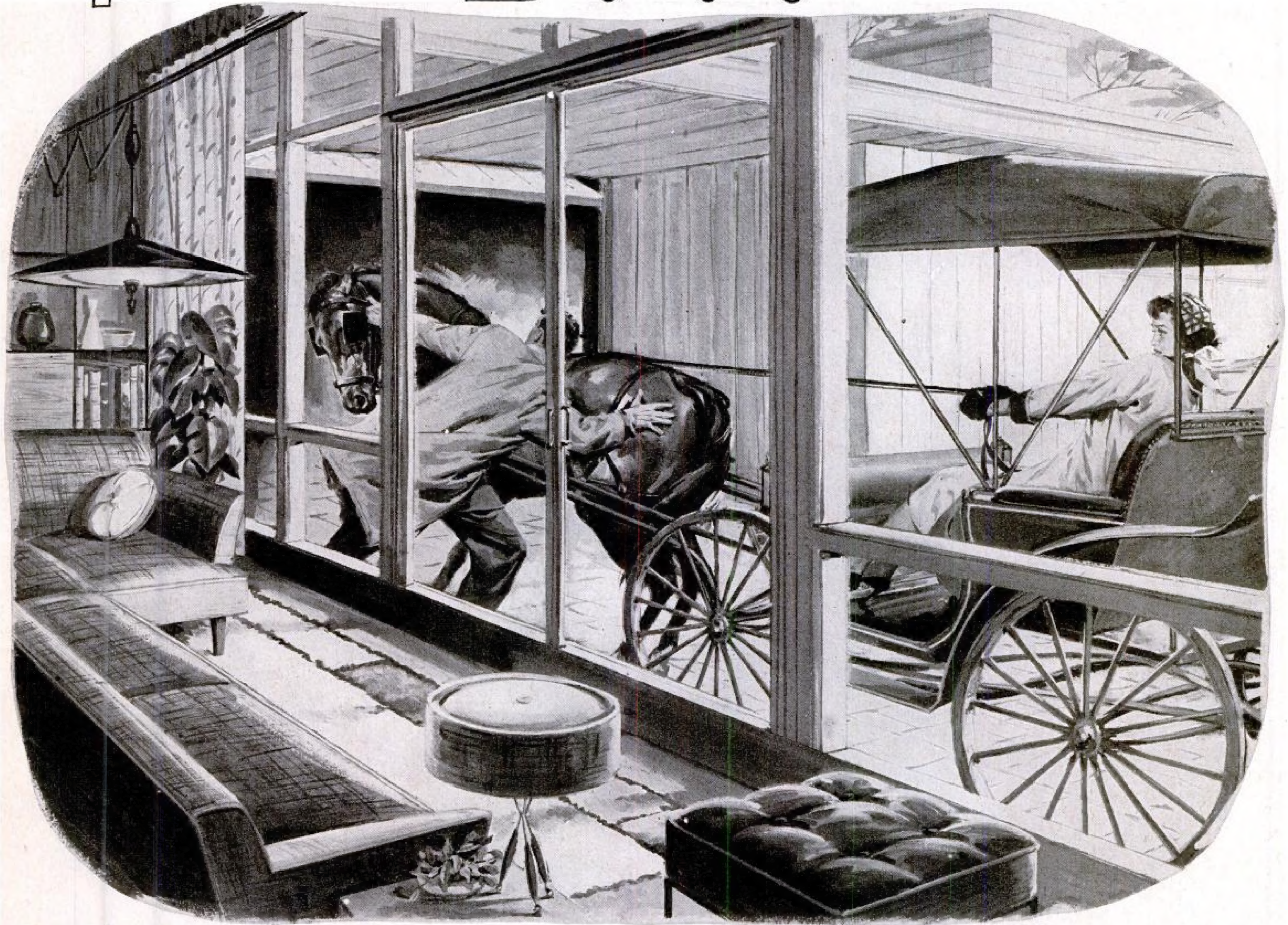
For stores carrying this shirt, call Western Union by number, ask for Operator 25.



*Reg. U. S. Pat. Off.



You wouldn't want this in your garage —



why rest second-best on an outdated MATTRESS?

A spanking new buggy once meant "Quality Folks" — but so did many other things, now gone or going. Feather beds, flat bedsprings, padded-spring mattresses — each, in its time, was the "latest" in home furnishings. But Mrs. America still demanded better — so today, millions are switching from all old-style mattresses to the modern AIRFOAM-ENGLANDER combination.

Switching for keeps, too! In the latest national survey, 9 out of 10 owners of foam rubber mattresses stated they wouldn't buy any other kind!

Why? Just read the AIRFOAM-ENGLANDER advantages listed below. And here's another big reason: Why invest in an old-style mattress? Invest for the years to come with what's new and proved right now — AIRFOAM-ENGLANDER! Goodyear, Airfoam Dept., Akron 16, Ohio.

• These AIRFOAM-ENGLANDER features will be preferred tomorrow as they are today:

Cradles every curve—AIRFOAM, with over half a million air cushions in each cubic inch, buoys up back and body-hollows, permits nerves, joints, muscles to relax—helps induce deep, sweet slumber.

Firm, all-over support—Continuous honeycomb of uplifting AIRFOAM is strongest where your weight is greatest, "floats" you to sleep in a healthful posture.

A boon to allergy sufferers—Unlike other type cushionings, AIRFOAM DOESN'T generate dust, lint or fluff to excite the common allergies.

Never needs turning—AIRFOAM "breathes" fresh air with your every motion, keeps itself cool, fresh, plump and inviting.

Longest-lasting—because AIRFOAM is scientifically molded all in one piece (See #1). There are no parts to loosen, sag, snag or break down!

In the AIRFOAM-ENGLANDER combination, the springs are where they do the most good — a resilient upper layer (2) and a firm lower layer (3) in the exclusive ENGLANDER Red-Line Foundation!



AIRFOAM Mattress...\$79.75
ENGLANDER RED-LINE
Foundation...\$69.75

Prices subject to change without notice.

Airfoam — T. M. The Goodyear Tire & Rubber Company, Akron, Ohio Red-Line — T. M. The Englander Company, Inc., Chicago

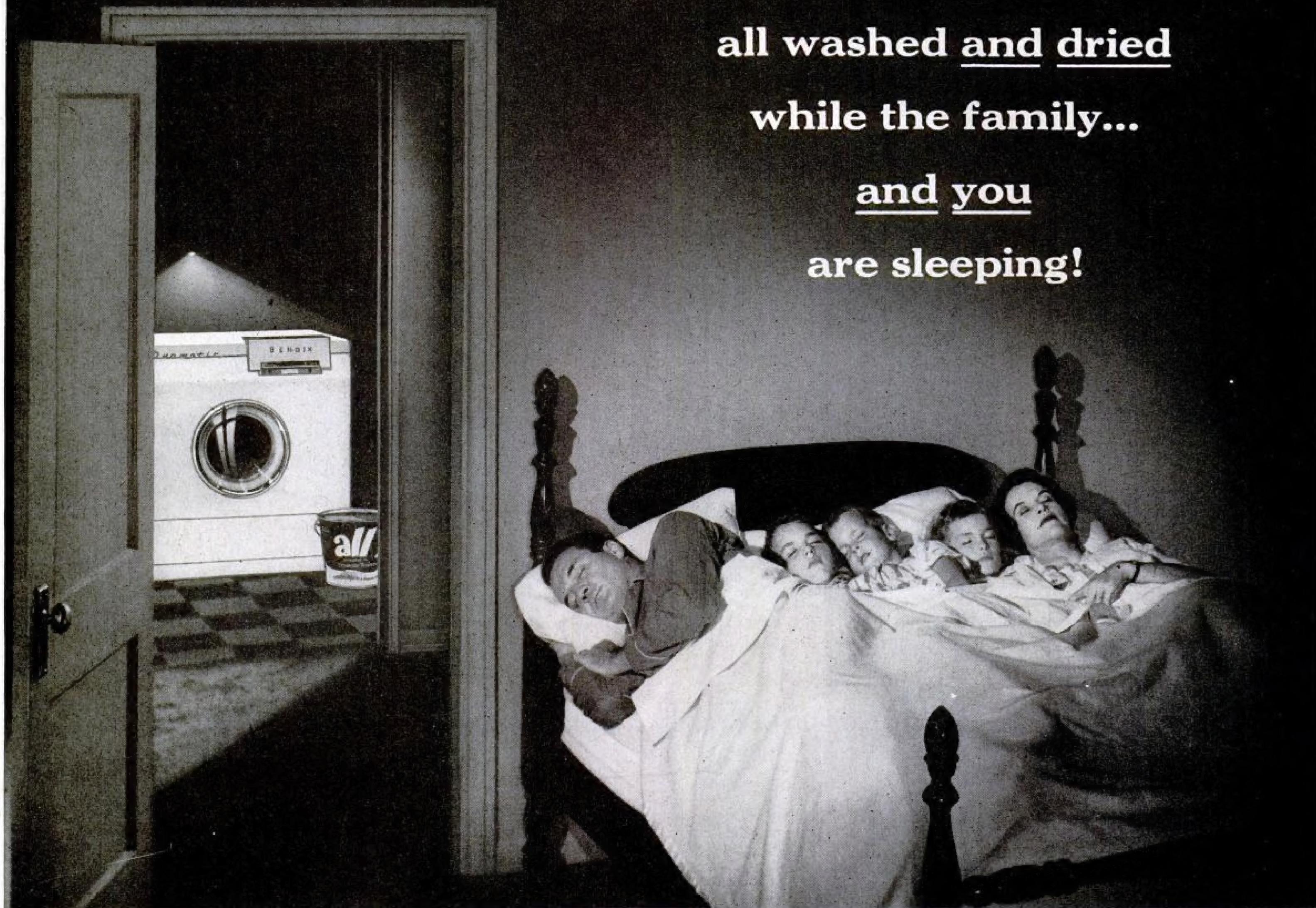
Your "Family Wash"...

all washed and dried

while the family...

and you

are sleeping!



With the DUOMATIC you'll awaken one morning to find washday over . . . *in a night!*

Thousands upon thousands of women are spending what used to be washday doing things they never had time for before. And all because of one machine . . . the Bendix Duomatic Washer-Dryer All-in-One.

Yes, it does both your washing and the drying, automatically, in one continuous operation.

With the Duomatic to take over, you're off to the supermarket, in the park with the kids . . . or even fast asleep. There's no reason, ever, to hover over this machine. No switching clothes from washer to dryer, no waiting, no running upstairs and down.

Washing double-clean . . . drying soft and fluffy are Duomatic specialties

Bendix Tumble-Action plunges clothes deep into suds . . . fifty times a minute. Never wads your wash.

Then, after three separate rinses, the Duomatic

automatically turns into an automatic dryer. Fluffs and tumbles your clothes completely dry. Softly, safely. So safely, in fact, that the Duomatic is recommended for Orlon, Nylon, Dacron . . . fabrics you'd hesitate to trust to many ordinary dryers.

Home-proven in 27 million wash (and dry) days

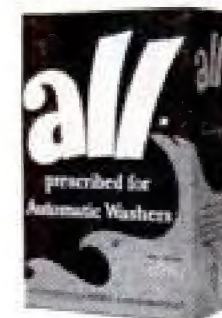
New as it is, the Bendix Duomatic has been in use for three years in homes all over the country. It has been put to every test . . . especially by women with whopping big families. The Duomatic is the one combination that has been proved *in use*.

See the new 1956 Bendix Duomatic at your dealer's now. More convenient, handsomer than ever . . . available in both gas and electric models. Only Bendix gives you this choice.

And you can use your Duomatic anywhere. Yes . . . the kitchen, the utility room . . . even the bathroom. Although the Duomatic fits into just 36 inches of wall space, it is completely cushioned against vibration. Something only Bendix does.

Thrifty Bendix tumble-action uses less water . . . so, of course, it uses less detergent, too!

Bendix prescribes *all*, the modern "controlled suds" detergent, for best washing results. *all* never chokes up your washer with suds that slow down washing action. That's why a free box of *all* is packed in every new Bendix.



CROSELEY & BENDIX*

*These two great names are joined. Now the creative engineering that Crosley brings to America's aircraft and electronic development is yours in every Crosley & Bendix home appliance. There could be no higher standard of quality.

BENDIX HOME APPLIANCE DIVISION of AVCO Manufacturing Corporation, Cincinnati 25, Ohio

In Canada, Crosley and Bendix Home Appliances are manufactured and distributed by Moffats Limited, Weston, Ontario

BENDIX

DUOMATIC

WASHER-DRYER all-in-one



Watch the Robert Montgomery Show every week on NBC-TV. See College Football every Saturday afternoon on NBC-TV. See why more men use Schick Electric Shavers than any other make.

No gift gets a lady closer than the closest shaving instrument ever invented

The smartest gift you can give him is the closest shave he can get — and that's the new Schick "25"—only \$29.50

His first glimpse of the black-and-silver Caddie Case tells him he's the proud owner of the finest shaving instrument ever invented. His first shave proves it.

For the Schick "25" whisks through the toughest beards without a stutter or a cough. Schick's exclusive Hi-Power Motor, moving twice as fast as an airplane motor in full flight, gives him new shaving power. And here are the only curved combs that guide each whisker into the shearing action no matter how it grows.

Schick's Super-Honed shaving heads, unequalled for sharpness by any other shaver, get each whisker close and clean at skin-line. The final proof: you can't see—or feel—a sign of stubble. Nothing's on his face but smooth skin.

Ask about the 14-day money-back home trial that starts Christmas morning. At all dealers and Schick Shaver Shops—only \$29.50, with Caddie Case. \$5 trade-in allowance for any electric shaver, any condition. Schick Incorporated, Lancaster, Pa.

More men use Schick Electric Shavers than any other make.

Schick "25"

SILVER JUBILEE ELECTRIC SHAVER

NEW BLACK-AND-SILVER CADDIE CASE is not only a handsome travel case but also doubles as handy holder on bathroom shelf.



Announcing the new

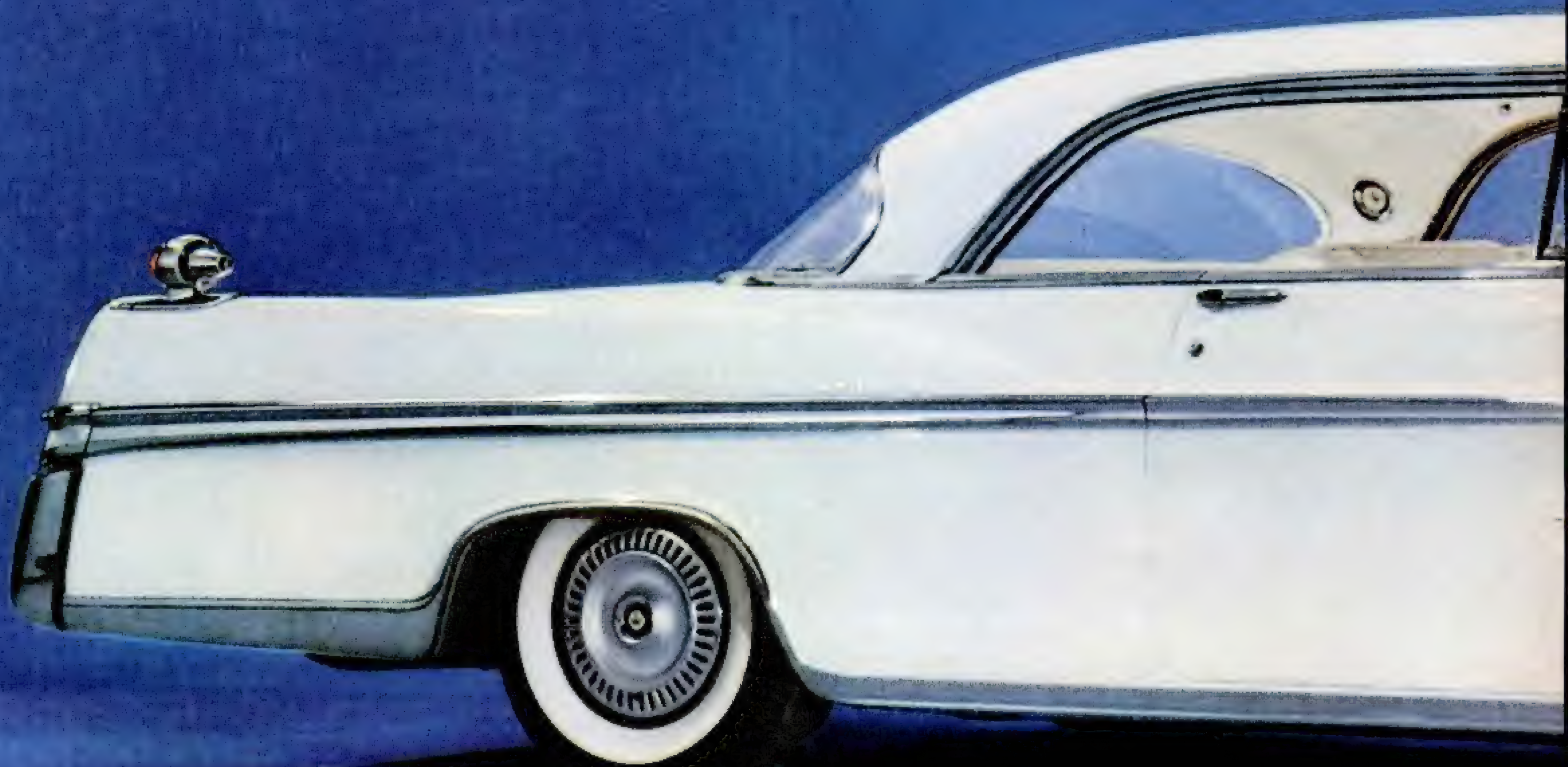
IMPERIAL

This is a distinguished *new* look—not to be found in any other fine motor car in America. This is the new look of leadership.

To you who are accustomed to fine cars, the announcement of the New Imperial will be of particular interest. It heralds new high standards of riding smoothness, engineering superiority,

and fine car styling. From unique gun-sight tail lights astride sweeping rear fenders to imposing front grille, this is the most magnificent of cars.

Within its spirited beauty you'll discover mastery of the highway which is unequalled anywhere...a mighty Imperial



look of leadership



Leaders among men are irresistibly drawn to the car whose every gleaming inch proclaims leadership among motor cars. The man who drives the Imperial is, as usual, leading the way.

FOR 1956

V-8 engine, most powerful type on the highway... an exclusive, superlatively smooth automatic transmission, controlled by a button panel!... an entirely new braking system that practically eliminates braking effort on your part... and advanced power steering that gives you its power-assist 100 per cent of the time!

The Imperial is designed for you who can afford the finest and who refuse to accept the commonplace. It comes as a refreshing new experience in the field of highest quality cars.

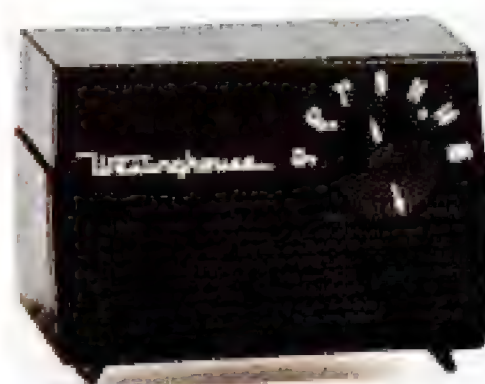
The new look of leadership is yours in the Imperial. Your Chrysler-Imperial dealer cordially invites you to inspect it now.

Imperial for 1956 ➤ *finest expression of The Forward Look*



Give the last word in gifts by **WESTINGHOUSE** the first name in **RADIO** and **TELEVISION**

TABLE MODEL RADIOS



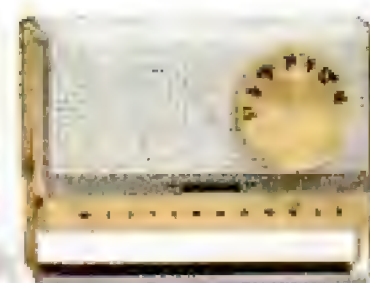
Handsome **STAR-VALUE**. (523T4) Powerful, big-set performance at little cost. Ivory, Coral, \$17.95. Black, \$15.95



Superb **RADASONIC**. (457T6) Acoustic-design wood cabinet. Swivel base. Phono plug-in. Rich Mahogany finish or Blonde Birch, \$59.95

Wide variety of other table model radios in all price ranges.

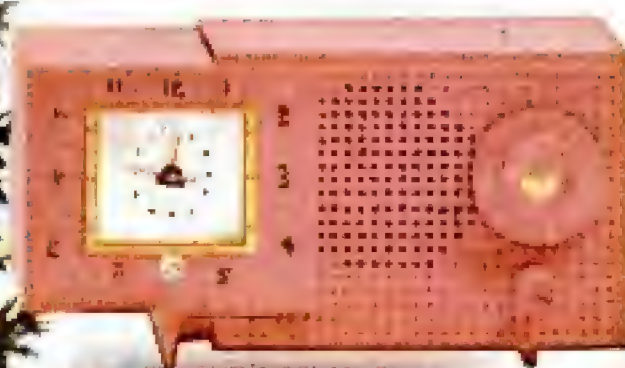
PORTABLE RADIOS



Glamorous **LITTLE JEWEL**. (508P4) Gift for a lovely girl. Handle serves as a stand. Simulated Pearl finish, \$39.95. Gray, Tan, Green or Coral, \$34.95



CLOCK AND CALENDAR RADIOS



Decorator-design **BUDGET BEAUTY**. (540T4) Provides wake-up music. Dependable clock. Ivory, Coral, \$26.95. Black, \$24.95

Big selection of other clock radios at popular prices.



CALENDAR-CLOCK RADIO. (487T5) Tells day, date, time! Shut-off and wake-up music. Appliance timer. Gold with Ivory, Maroon, Black or Gray, \$54.95. Without calendar, \$49.95

PORTABLE RADIO-PHONO

Ready-to-go **PORTABLE**. (482PR5) All-speed automatic record player. AM radio. Full Range sound. Tan case with carrying handle, \$99.95



WESTINGHOUSE TELEVISION New Design... inside and out!



Value-packed **SUN VALLEY 17"** Table Model. (920T17) Tip-Top Comfort Tuning! Contemporary styling! Cardinal Red, Spruce Green, Ebony, \$149.95. Cocoa Brown, only **\$139.95**



Beautiful **CARMEL 21"** Table Model. (924T21) New features inside and out. Biggest 21" tube. Terra Cotta, Spruce Green, Ebony, \$169.95. Cocoa Brown, only **\$159.95**



Elegant **CAPISTRANO 21"** Console. (965K21) New outside design with Tip-Top Comfort Tuning. New inside performance-features. Limed-Oak grained finish, \$209.95. Mahogany grained finish, only **\$199.95**

All prices are suggested retail and include Federal Tax and Warranty. Slightly higher West and South. Prices subject to change without notice. Swivel bases for Television sets optional at small extra cost.

See these beautiful new sets at your Westinghouse Television and Radio Dealer's now. Westinghouse—the leader in radio for 35 years—is your assurance of the finest money can buy.

See Westinghouse "STUDIO ONE," America's favorite full-hour television show—on CBS every Monday night.

YOU CAN BE SURE...IF IT'S Westinghouse

Westinghouse Electric Corporation • Television-Radio Division • Metuchen, New Jersey

TIRE RETREADING INSTITUTE GUARANTEES:

MASTER-RETREADED TIRES

Safe, Durable, Economical

The Inter-Industry Highway Safety Committee Approves T. R. I.

After thoroughly examining the report of the Tire Retreading Institute, the Inter-Industry Highway Safety Committee has approved of the plans established by the Institute for the Master-Retreading of tires. In addition the Committee has commended the T.R.I. program so that retreading can be standardized giving the public further assurance of safety and security on the highways. Master-Retreads will deliver many additional safe miles for your tires at very little extra cost. Top quality tires, for instance, may be Master-Retreaded time and time again with complete safety.

Take the guesswork out of retreading. Look for the seal of guarantee of the T.R.I. Master-Retreader.

CAN YOU TELL THE DIFFERENCE?



The Master-Retreaded tire on the right has actually been driven 60,000 miles with two retreads, yet may still be Master-Retreaded with conventional tread or special snow or mud tread. T.R.I. means "Safe Tires for Safe Driving."



Standards Reached After 12 Years of Research

After 12 years of patient, extensive research, the Tire Retreading Institute has been able to establish *standards of workmanship* and materials which make Master-Retreaded tires a sound investment in *safety, service* and *satisfaction*. These rigid standards run the whole gamut of modern technology and advanced methods. They include *new techniques* for applying tread rubber; newly developed designs to *increase toughness* and *strength*; use of premium rubber that *fights* stubbornly against *age* and *wear*. Only an Institute chosen Master-Retreader is custodian of this knowledge. You will recognize him because only HE displays the T.R.I. seal; only HE can issue the Institute's *warranty of quality and satisfaction* by molding into the Master-Retreaded tire the Institute's seal. Look for the T.R.I. seal; it spells *safety, service, satisfaction*.

Write for FREE Booklet

"The Why and When of Retreading"

TIRE RETREADING INSTITUTE
1012 14th Street, N. W.
Washington 5, D. C.

Name.....

Address.....

City..... Zone..... State.....

Look for This Sign of The T. R. I. Master-Retreader

Now you may have your tires retreaded with full confidence. How? Just get the work done by a Tire Retreader who displays the seal of the Tire Retreading Institute. This man is no ordinary retreader — he's a Master-Retreader. He has qualified, after careful investigation, to carry out the Tire Retreading Institute's program of making tire retreading safe, durable and economical. He has all the exacting qualifications demanded by the Institute. He's an Institute duly-authorized dealer. He is governed by the rigid standards established by the Institute.

To Tire Dealers... Who Have Not Yet Certified:

If you are not a member of the Tire Retreading Institute, it will pay you to look into the Master-Retreader's Seal. The wealth of information and knowledge of the Institute is yours if, after due inspection and investigation, you qualify as a Master-Retreader.

There will be no more guesswork with retreading. Under the rigidly enforced standards of the Institute, you can't help but give your customers safety, durability and economy in Master-Retreaded tires.

For details, write:

Tire Retreading Institute
1012 14th Street, N.W.
Washington 5, D.C.

Special

MONEY- SAVING

offer!



Look for this special combination offer on display. Saves you 25¢.

Stomach UPSET?
Take Hospital Tested **Pepto-Bismol**
...and feel good again!

LIFE

EDITOR-IN-CHIEF..... Henry R. Luce
PRESIDENT..... Roy E. Larsen

MANAGING EDITOR
Edward K. Thompson
DEPUTY MANAGING EDITOR
Robert T. Elson

ASSISTANT MANAGING EDITORS
Philip H. Wootton Jr.
George P. Hunt

John K. Jessup... CHIEF EDITORIAL WRITER
Charles Tudor... ART DIRECTOR
Joseph Kastner... COPY EDITOR
Marian A. MacPhail... CHIEF OF RESEARCH
Ray Mackland... PICTURE EDITOR
Hugh Moffett... NATIONAL AFFAIRS
Gene Farmer... FOREIGN NEWS
William Jay Gold... ARTICLES
Kenneth MacLeish } ASSISTANTS TO THE
Donald Birmingham } MANAGING EDITOR
STAFF WRITERS: Herbert Brean, Roger
Butterfield, Robert Coughlan, Enmet
Hughes, John Osborne, Robert Wallace.
PHOTOGRAPHIC STAFF: Margaret Bourke-
White, Edward Clark, Ralph Crane, Loomis
Dean, John Dominis, David Douglas Dun-
can, Alfred Eisenstaedt, Eliot Elisofon,
J. R. Eyerman, N. R. Farberman, Andreas
Feininger, Albert Fenn, Fritz Goro, Allan
Grant, Yale Joel, Robert W. Kelley, Dmitri
Kessel, Wallace Kirkland, Nina Leen,
Thomas McAvoy, Leonard McCombe, Fran-
cis Miller, Ralph Morse, Carl Mydans, Gor-
don Parks, Michael Rougier, Walter San-
ders, Frank J. Scherschel, Joe Scherschel,
George Silk, George Skadding, Howard
Sochurek, Peter Stackpole, Grey Villet,
Hank Walker.

ASSISTANT PICTURE EDITORS: Frank Cam-
pion, Landon Knight.
FILM EDITORS: Margaret Sargent, Nancy
Bragdon, Barbara Brewster.

ASSOCIATE EDITORS: Ralph Graves, Wil-
liam P. Gray, Mary Hamman, John Jenk-
inson, Sally Kirkland, William Miller, Tom
Prideaux, Marshall Smith, Claude Stanush,
A. B. C. Whipple.

ASSISTANT EDITORS: William Brinkley,
Earl Brown, Robert Campbell, Charles
Champlin, Robert Drew, Terry Drucker,
Lee Eitington, Nancy Genet, Muriel Hall,
Enno Hobbing, William Houseman, Ed-
ward Kern, William Knapp, Mary Leather-
bee, Scot Leavitt, James Lipscomb, John
Luter, Eleanor Parish, Joseph Roddy, Nor-
man Ross, Don Schanche, David Scherman,
Dorothy Seiberling, George Shiras, Mary
Lou Skinner, David Snell, John Stanton,
Margit Varga, Valerie Vondermuhl, War-
ren Young, David Zeitlin.

REPORTERS: Richard Anthony, Elizabeth
Baker, Mary Elizabeth Barber, Margaret
Bassett, Laura Bell, Patricia Blake, Bar-
bara Briller, Peter Bunzel, Margery Byers,
Vivian Campbell, Helen Carlton, Anne Den-
ny, Laura Ecker, Tadd Fisher, James Goode,
Gerry Gruen, Kathleen Hampton, Terry
Harnan, Judith Holden, Grayce Horan,
Monica Horne, Patricia Hunt, Nancy King,
Robert Mason, George McCue, John Mc-
Dermott, Joann McQuiston, Jane Nelson,
Loretta Nelson, Susan Neuberger, Clara
Nicolai, Sheila O'Connor, Patsy Parkin,
Maya Pines, Henriette Roosenburg, Jane
Scholl, Virginia Shevlin, Kathleen Shortall,
Jeanne Stahl, Marion Steinmann, Richard
Stolley, Tatiana Strage, Jean Strong, Lucy
Thomas, Alice Thompson, William Trom-
bley, Marian Wendes, Thomas Wheeler,
Margaret Williams, Jane Wilson, Sharon
Workman, Caroline Zinsser.

COPY READERS: Helen Denell (Chief),
Dorothy Illson, Barbara Fuller, Virginia
Saddler, Suzanne Seixas, Marguerite Toole,
Rachel Tuckerman.

LAYOUT: Bernard Quint, David Stech (As-
sistant Art Directors), William Gallagher,
Hilde Adelsberger, Matt Greene, Earle
Kersh, Albert Ketchum, Anthony Sodaro,
Richard Valdatti, John Woods.

PICTURE BUREAU: Natalie Kosek (Chief),
Mary Carr, Betty Doyle, Margaret Gold-
smith, Ruth Lester, Mande Milar.

PHOTOGRAPHIC LABORATORY: William J.
Sumits (Chief), George Karas.

PICTURE LIBRARY: Anna Eggleston (Chief),
Doris O'Neil, Phyllis Sternau.

U.S. & CANADIAN NEWS SERVICE: Law-
rence Laybourne (Chief of Correspondents),
Irene Saint, Tom Carmichael, Helen Fen-
nell, William Pain. BUREAUS—WASHINGTON:
James Shepley, Oliver Allen, Clay Blair Jr.,
Mary Cadwalader, Clay Felker, William
Coolrick Jr., Will Lang; CHICAGO: T.
George Harris, Roy Rowan, Jane Estes,
Dora Jane Hamblin, Bayard Hooper,
Richard Meryman Jr.; LOS ANGELES: Bar-
ron Beshoar, Loudon Wainwright, Shana
Alexander, Philip Kunhardt Jr., James
Lebenthal, Robert Morse, Frank Pierson;
ATLANTA: William Howland, Marshall
Lumsden; BOSTON: William Johnson, Wil-
bur Jarvis; DALLAS: Frank McCulloch,
Henry Suydam Jr.; HOUSTON: Willard
Rappleye Jr.; DENVER: Ed Ogle, Robert
Ajemian; DETROIT: Norman E. Nicholson,
Leon Jaroff; SAN FRANCISCO: Richard Pol-
lard, John Porter; SEATTLE: Robert Schul-
man, Russell Sackett; OTTAWA: Harry John-
ston; MONTREAL: Byron Riggan; TORONTO:
Murray Galt.

FOREIGN NEWS SERVICE: Manfred Gott-
fried (Chief of Correspondents), John Boyle,
George Caturani. BUREAUS—LONDON: Andre
Laguerre, Donald Burke, Beatrice Dobie,
John Mulliken; PARIS: Frank White, John
Thorne, Timothy Foote, Mathilde Camacho,
Gabrielle Smith; BONN: James Bell,
John Dille; ROME: Robert Neville, Milton
Orshelsky; MADRID: Thomas Dozier; JO-
HANNESBURG: Edward Hughes; MIDDLE
EAST: Keith Wheeler; NEW DELHI: James
Burke, Alexander Campbell; SINGAPORE:
Dwight Martin, Donald Wilson, John
Mecklin; TOKYO: Curtis Prendergast,
James Greenfield; MEXICO CITY: David
Richardson; GUATEMALA CITY: Harvey
Rosenhouse; RIO DE JANEIRO: Pietro Sa-
poriti; BUENOS AIRES: Philip Payne.
PUBLISHER..... Andrew Heiskell
ADVERTISING DIRECTOR..... Clay Buckhout

Runs all night ***
without refilling!



NEW

Electresteen

ALL-NITE VAPORIZER

Just set it—forget it! The new *All-Nite* Electresteen Vaporizer delivers from 8 to 16 hours of medicated moisture doctors recommend for colds, croup and bronchial congestion. No other vaporizer is so safe, quick and quiet. Extra-wide mouth makes it easy to fill and clean. Exclusive pressure relief prevents sputtering. At druggists coast-to-coast. 1-gallon model, \$7.95. Other models from \$2.95.



Bottle Warmers from \$1.69



8-Bottle Sterilizer, \$8.95

ELECTRIC STEAM RADIATOR CORP.
Paris, Kentucky
Subsidiary of Lunders, Frary & Clark

MEN'S ACCESSORIES IN THE MODERN MANNER

TILLARY

QUALITY SETS
\$19.95 to \$71.50

AMAZE YOUR FRIENDS

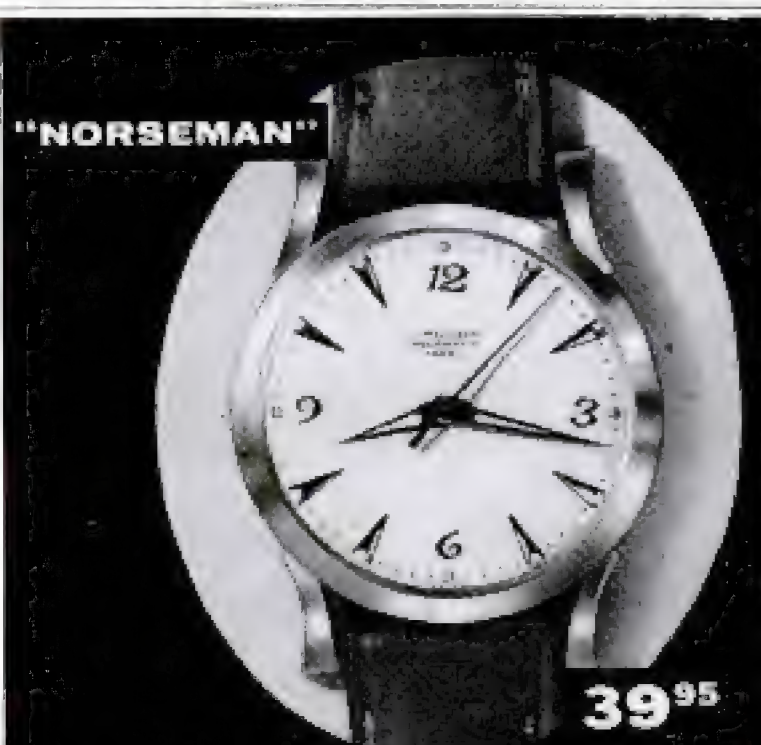
tie **BOWS** like this

Create exciting gift wrappings. Follow instructions in this book.

Send only **10¢** for your copy

RIPPLE-TIE Products Company

2725 WEST ARMITAGE • CHICAGO 47, ILLINOIS



Self-wind underwater watch. Hidden crown. For jeweler's name write 404 4th Ave., N. Y.

CROTON
NIVADA GRENCHE

LEARN REAL ESTATE

The Learn-By-Listening Way. You can sit in your home and take a "live" lecture course by listening to 16 lectures, about 32 hrs., on records. Course has been easily completed by men and women of all ages.

Write Lee Inst. Q, 231 Wash. St.,
Brookline, Mass.



Hard top, soft top or open—the Thunderbird is the star in *any* setting!

And now: the latest version
of America's most exciting car:

Ford THUNDERBIRD for '56

Ready to give you a new lease on driving fun, this newest version of America's favorite dream car is more stunning in style . . . more thrilling in power . . . more luxurious in comfort.

Here, poised for flight you see what many people hardly dreamed possible: a more beautiful, more powerful, more distinctive Thunderbird.

The graceful contours of its long, low lines . . . the unique flair of its new spare-tire mounting . . . the dazzling sheen of its new two-tone colors are but a hint of its newness.

It is when you put the selector in drive position and nudge the gas pedal of a Fordomatic model

that the new Thunderbird will really take you by the heart. Nestled beneath that sleek hood lies a new 225-h.p. Thunderbird Y-8, ready to revise all your ideas of how a car should respond.

Now, you may choose hard top, soft top or both. There's a glass-fibre hard top and a foldaway fabric top. Now, the interiors are richer—more beautiful than ever. Now, you get the added protection of Ford's exclusive Lifeguard design. Now, the ride is smoother—the cornering is flatter than ever. And, as always, you may have optional power steering, brakes, windows and seat. Ask your Ford Dealer just how soon *you* can start enjoying the better things of driving.



The 1956 Thunderbird's brand-new rear spare-tire mounting folds back handily, as quick as a wink. It adds as greatly to your luggage space as it does to the over-all beauty of the car.



"We Won!" by Haddon Sundblom. Number 114 in the Series "Home Life in America"

After the game—

What makes a glass of beer taste so good?



Malted barley—selected from America's finest crops—containing certain important minerals that our bodies use up every day.



Tangy hops that are harvested only during the period of a few short weeks when their flavor is at its absolute height.



The way it "goes with everything"—the way it fits into the friendliness of American life—makes beer America's Beverage of Moderation.

Beer Belongs—Enjoy It!



A WEEK END IN A HANDBAG

Stretchables of Du Pont Nylon
and "Dacron"* fit in a purse
REG. U. S. PAT. OFF.
... expand to fit many sizes

Now that yarns of Du Pont nylon and "Dacron" polyester fiber can be made to stretch, a woman can pack a capsule week-end wardrobe right in her handbag. But convenience is only one of the many outstanding features of "stretchables". These clothes have a soft, pleasing feel and are comfortable to wear. They fit better because they expand precisely to the shape of the wearer—which means no more waistlines that have to be taken in, no snug-fitting hip lines that must be let out. At the same time, nylon "stretchables" are so flexible that they afford complete freedom of movement.

"Stretchables" are expanding fast. More and more clothes for the whole family are being made of these amazing new types of yarns. Next time you shop, look for "stretchables" of Du Pont nylon and "Dacron".

NEW "STRETCHABLES" fit many sizes. And they fit better, look better, give greater comfort. Pictured, top to bottom: sweater blouse and slipper socks of nylon and "Dacron"; gloves, pantie girdle, stockings, bathing suit, bra of nylon.

*"Dacron" is Du Pont's registered trademark for its polyester fiber.
Du Pont makes fibers, not fabrics or garments.



BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY





slims
you
while
you
walk!

...because the knit's on the bias.

'NEW SLANT'

With every step you take... this new, free-walking girdle "gives" at the thigh and draws in your tummy, *both at the very same time!*

No seams, no bones, no center panel to press you; no bulky wrap-over layers of fabric. It's full-fashioned; made of famous seamless Silf Skin! \$5 as shown. Nylon elastic, \$7.50. Silk elastic, \$10.95.

Silf Skin
seamless, full-fashioned
girdles and panty girdles



Also ask to see the famous Silf Skin Panty Girdle with the same amazing construction... Full fashioned, pre-shrunk... it's knit by a patented process *without a seam to cut you anywhere!* \$5! Nylon elastic, \$7.50. Silk elastic, \$10.95.

STOP LIFTING... DRAGGING... CARRYING

GET A NEW 1956

LEWYT

WITH

"finger-tip" cleaning!

CLEAN WITH
63% LESS EFFORT!



THE CLEANER
ROLLS ON WHEELS!



EVEN THE NOZZLE
ROLLS ON WHEELS!

NOW, FOR THE FIRST TIME BOTH CLEANER AND NOZZLE ROLL ON WHEELS!

No more arm-ache from pushing and pulling! No more lifting and carrying!

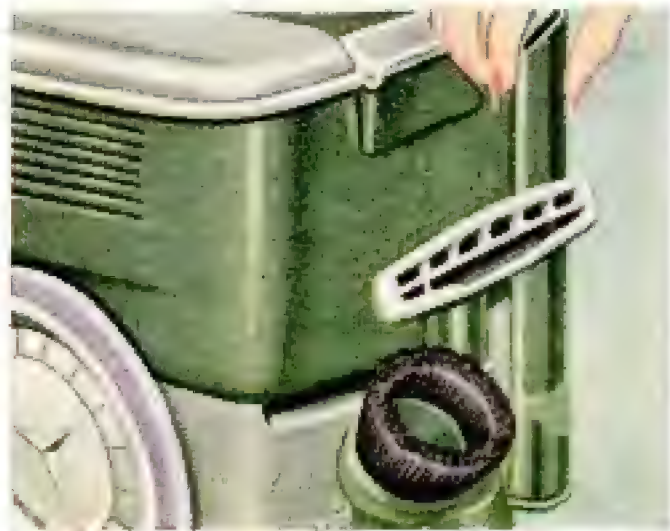
A "finger-tip" touch and the nozzle rolls over rugs and floors! A "finger-tip" touch and the cleaner rolls room-to-room—EVERYTHING IS ON WHEELS!

ONLY LEWYT MAKES EVERY CLEANING JOB "FINGER-TIP" EASY!



"finger-tip" POWER DIAL!

A touch dials the correct suction for wool rugs, cotton rugs, bare floors or drapes! Another Lewyt plus—and at no extra cost!



"finger-tip" TOOL SELECTION!

Tools go where you go in Lewyt's built-in tool rack—no more chasing back and forth! Another Lewyt plus—and at no extra cost!



"finger-tip" COMBINATION RUG 'N FLOOR NOZZLE!

You can clean both rugs and bare floors without changing tools! Rolls on wheels, doesn't tire your arm! Adjusts for all heights of rug pile! Another Lewyt plus—at no extra cost!

You make your housework easier than ever before with the 1956 Lewyt!

Not only do the cleaner and nozzle roll on wheels for "finger-tip" cleaning—but the new Lewyt puts many more conveniences at your finger-tips!

Its new combination 2-in-1 nozzle lets you clean both rugs and floors without changing tools. All tools roll with you in Lewyt's built-in tool rack.

You get the most powerful Lewyt ever built, exclusive new vinyl hose that won't clog, tubes that lock, plus many more deluxe features—and, of course, no dust bag to empty.



ENDORSED by National Institute of Rug Cleaning, Inc.,... official association of professional rug cleaners, owners and operators of professional rug cleaning plants who recommend that you vacuum your rugs daily and have them professionally cleaned at least once a year by a professional rug cleaner.

LEWYT

LEWYT CORPORATION • 84 BROADWAY, BROOKLYN 11 N. Y.

the cleaner rolls...the nozzle rolls
EVERYTHING ROLLS!

Available at leading stores in CANADA

© LEWYT CORP., 1955



this diamond

was well-known on French playing cards toward the end of the 18th century.



this diamond

is well-known the world over, today, as the label for GILBEY'S Gin — the gin that's dry... clear... the right proof (90 proof) ... and the gin with the right taste — never harsh, ALWAYS smooth. ALWAYS look for the Gilbey's famous frosted bottle.



The world agrees on
"GILBEY'S please"



GILBEY'S DISTILLED LONDON DRY GIN, 90 PROOF, 100% GRAIN NEUTRAL SPIRITS, W. & A. GILBEY, LTD., CINCINNATI, OHIO
THE INTERNATIONAL GIN — distilled and bottled in the United States, England, Canada, Australia, South Africa, France, Italy, Argentina, Brazil, Chile, Mexico.

A PAINTER PUZZLER



Ten floors up on the RCA Building in New York City these oddly situated painters calmly plied their trade. It was just an ordinary painting job for them, but for Photographer Robert Galbraith, who saw them from another building on

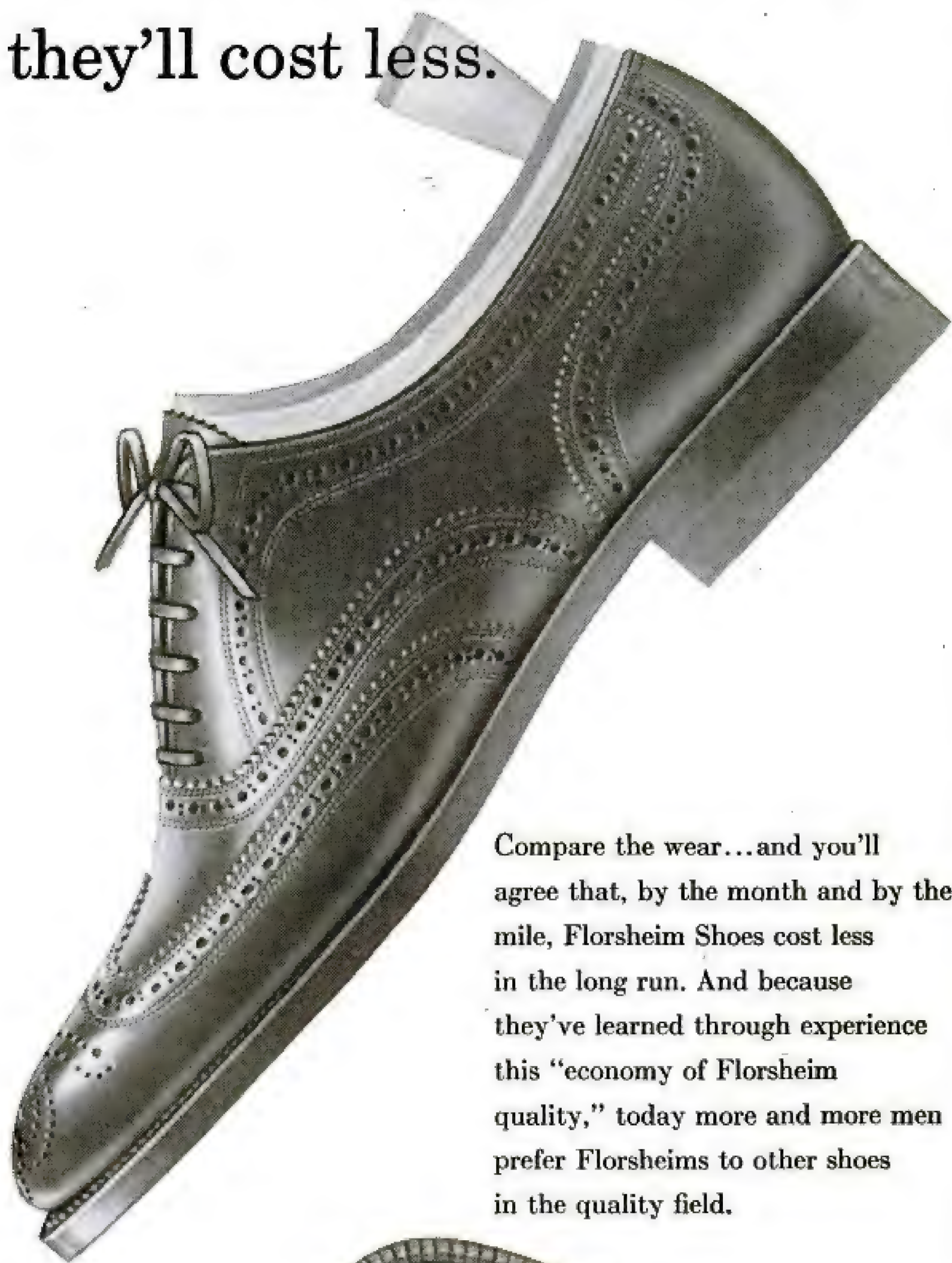
Rockefeller Plaza, it was a chance for an extraordinary picture. He rushed over to the RCA Building and made this puzzler. Then he ran back to his original vantage point for a more conventional shot (*next page*) that would explain it.

SPEAKING OF PICTURES



Florsheim Shoes

built to *WEAR* longer...so
they'll cost less.



Compare the wear...and you'll agree that, by the month and by the mile, Florsheim Shoes cost less in the long run. And because they've learned through experience this "economy of Florsheim quality," today more and more men prefer Florsheims to other shoes in the quality field.

*The KENT, S-1360;
custom-styled wing tip in black calfskin.*



Most Florsheim Styles
\$17⁹⁵ and higher

The Florsheim Shoe Company • Chicago 6 • Makers of fine shoes for men and women

PAINTER PUZZLER CONTINUED



ROOFTOP BRIGHTENING UP of a 10th floor setback terrace was being done by Painters Frank Haessler and John Bukovsky. Galbraith telephoned to ask them to lie down on the nearly dry paint and put their feet together, leaned out of a 30th floor window and snapped the picture on the preceding page. He took this picture to show how they normally go about their business.



every family has men who'd like Hanes

"Buck" up! No need to pay high prices for underwear!

Hanes Wintersets are knit for in-and-out living, they're soft and absorbent and . . . best of all . . . every time you buy 'em, you save "doe."

Why? Because Hanes buys its own cotton, spins its own yarn, knits its own cloth—thereby eliminating many outside costs that you normally pay for.

Hanes underwear is knit of long-staple, combed cotton. And . . .

- heat-resistant elastic gives added washability
- Nylon at the T-shirt neckband stops sagging
- 'tween-weight knit gives indoor and outdoor comfort
- shrink-resistant treatment insures long wear
- exclusive cut gives gentle athletic support

Nothing "fawn"-cy about Hanes prices: T-shirts, \$1.35 to \$1.45 (boys', \$1). Ankle drawers, \$1.75 to \$1.85 (boys', \$1.29 to \$1.35). See your dealer today and look for that famous red label. If he doesn't have Hanes, he can get it for you. Remember, to get more than you bargained for, be sure the name's . . .

HANES

P. H. HANES KNITTING CO., WINSTON-SALEM 1, N. C.
Canadian manufacturer and distributor, C. Turnbull Limited, Galt, Ontario

GREAT GIFTS

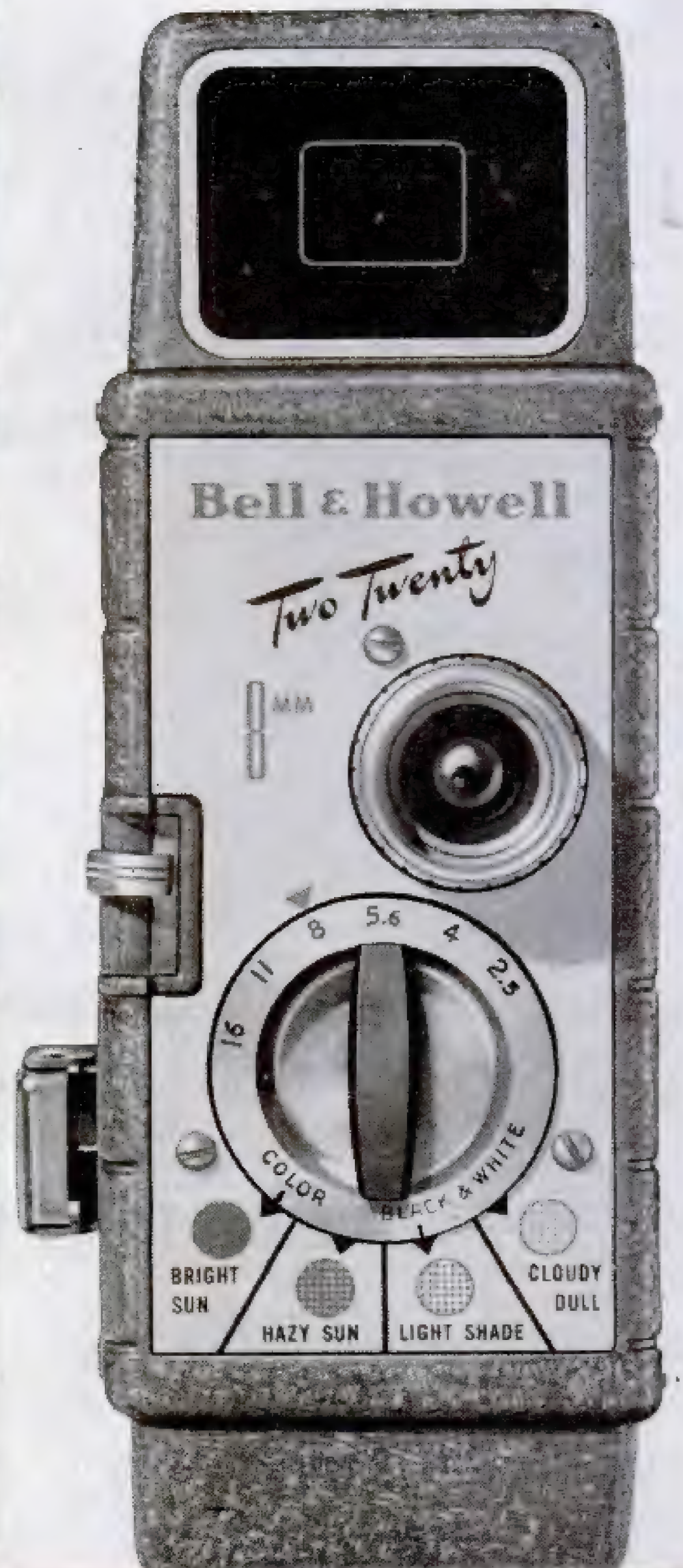
by
Bell & Howell

See how much pleasure you can give for as little as \$49⁹⁵

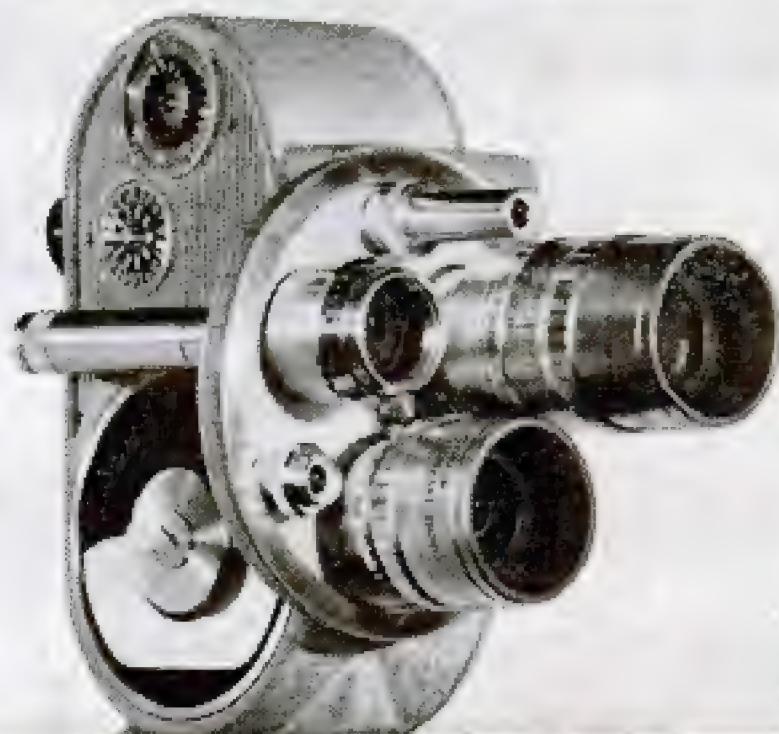
1. BELL & HOWELL COMPLETE 8MM MOVIE CAMERA OUTFIT IN FREE DELUXE SERIES-8 CARRYING CASE. WITH WILSHIRE CAMERA, \$89.85; WITH MONTEREY, \$99.85.



2. WILSHIRE 8MM MOVIE CAMERA, ONLY \$49.95. MONTEREY MODEL, \$59.95.



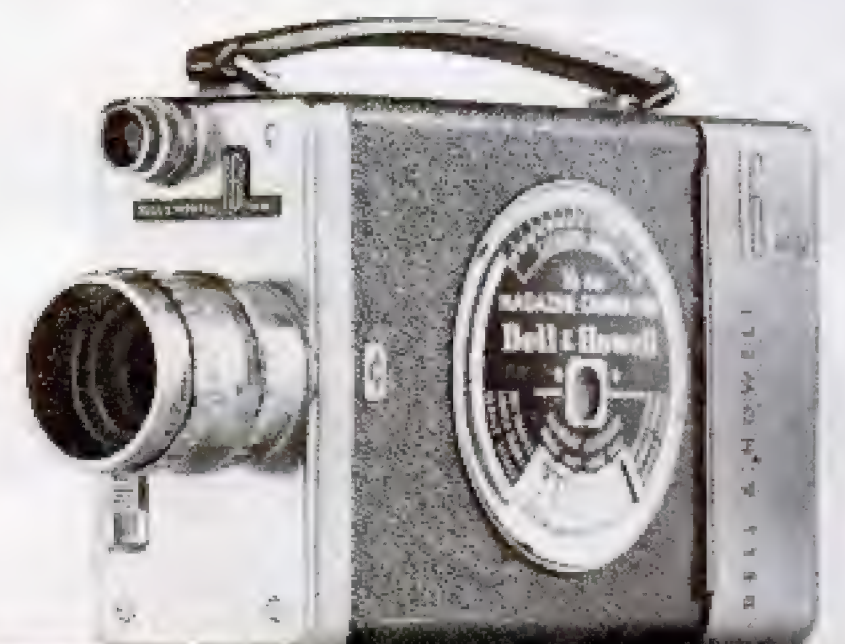
3. TRI-LENS 8MM CAMERA, \$129.95.



4. EXPLORER 8MM MAGAZINE CAMERA, \$169.95.



5. AUTO LOAD 16MM MAGAZINE CAMERA, \$174.95.

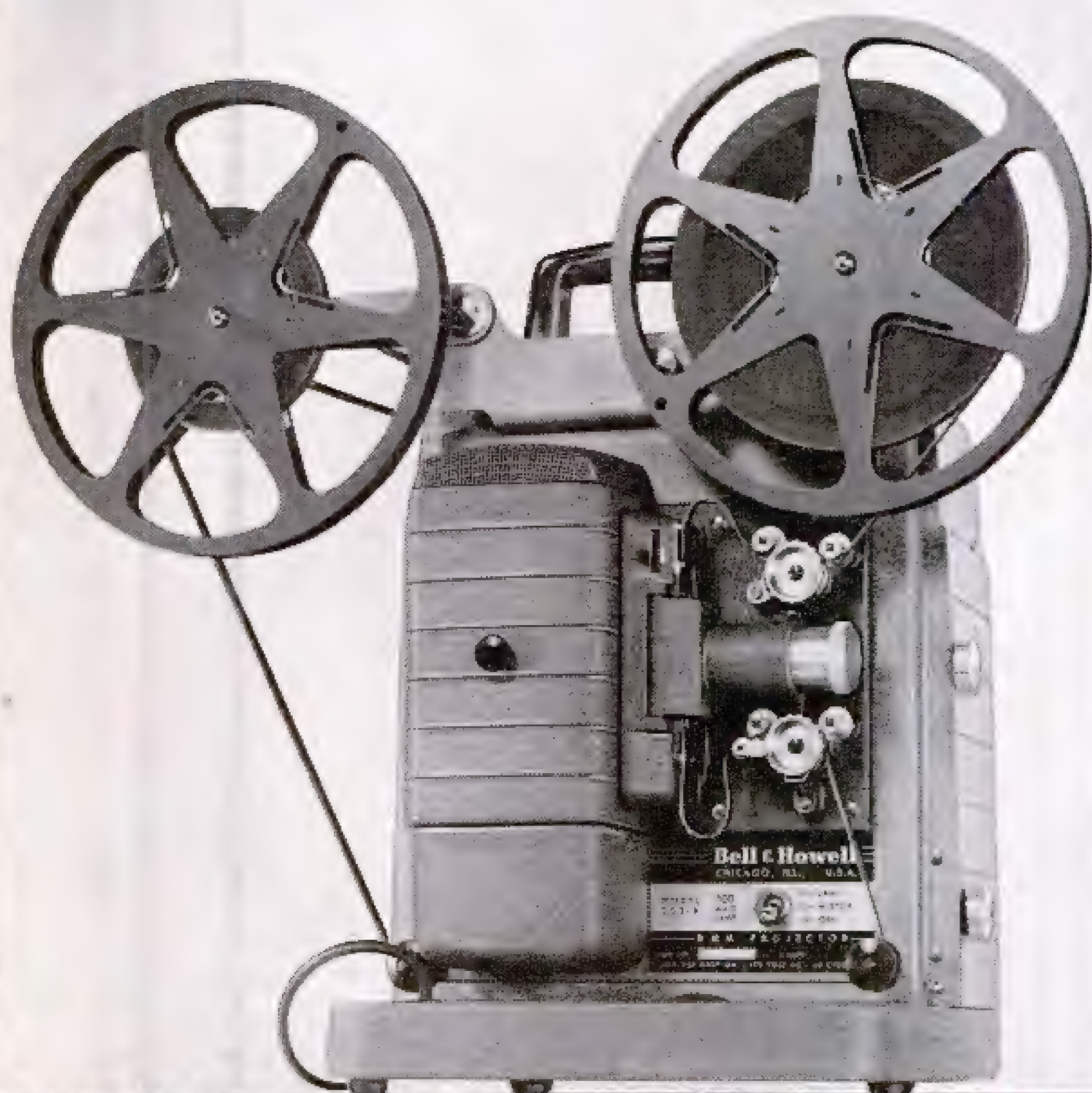


Wrap up your warmest Christmas greetings in a Bell & Howell gift! There's extra joy in the giving... when you know it's the best! **1.** The new Bell & Howell complete 8mm movie camera outfit is a great gift idea! Inside its top quality carrying case are camera and sheath case, telephoto attachment and filter holder in leather kit, twin light bar with bulbs.

With the Wilshire camera, \$89.85; with the Monterey, \$99.85. There's no extra charge for the carrying case! **2.** Another gift sure to please is the popular Wilshire. Exclusive Sun Dial and giant viewfinder make it the world's easiest-to-use 8mm movie camera. With fast f/2.5 lens, \$49.95. The Monterey, with f/2.3 lens, \$59.95. **3.** The Tri-Lens is the most versatile 8mm

roll camera you can buy. Slight in size yet full of features: 3-lens turret, matching viewfinders, 5 speeds. With f/2.5 lens, \$129.95. **4.** The Explorer stands at the head of the 8mm camera class. Instant magazine load, split-second change of lenses and viewfinder, built-in exposure guide. With f/2.5 lens, \$169.95. **5.** The Auto Load rewards you with new adventures

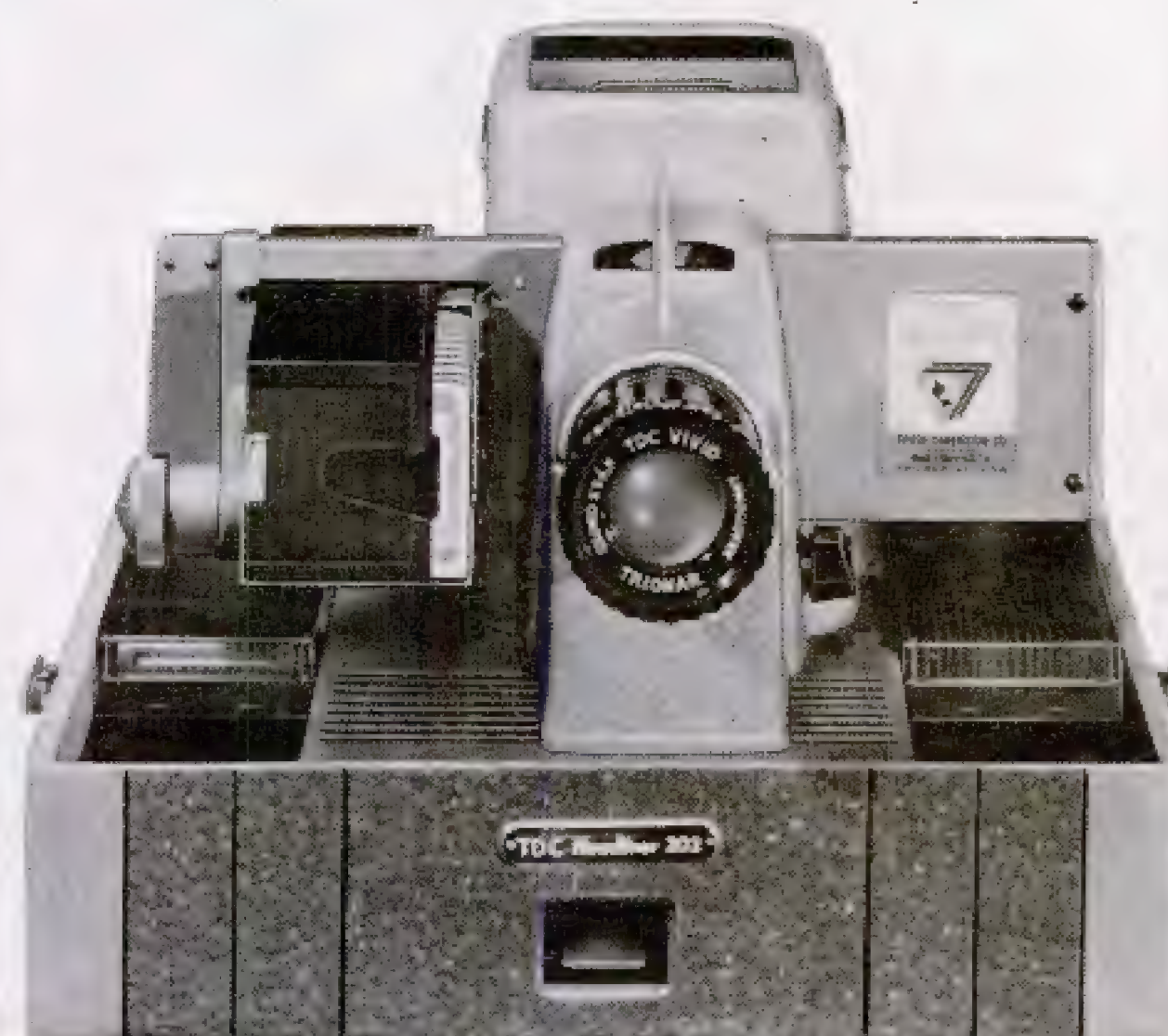
6. MONTEREY 8mm PROJECTOR. NEW LOW PRICE \$79.95.



7. TDC STEREO COLORIST CAMERA. NEW LOW PRICE \$69.50.



8. TDC HEADLINER 303 SLIDE PROJECTOR. ONLY \$54.50.



Bell & Howell



HONORARY ACADEMY AWARD 1954
To Bell & Howell for 47
Years of Pioneering
Contributions to the
Motion Picture Industry

...and they make wonderful gifts to give yourselves!"



9. MIRACLE 2000 TAPE RECORDER. \$299.50.



in thrilling movies. Instant 16mm magazine load. Five speeds from 16 to 64 frames per second. Styled in rich scuff-proof finish with satin-chrome trim. With f/2.5 lens, \$174.95. **6.** The price of the Monterey 8mm projector is down to a new low \$79.95! So easy to operate, even for a beginner. Its 500-watt lamp puts the brightest picture on the screen. **7.** The TDC Stereo

Colorist camera now sports a new price tag of \$69.50. It's a simple matter for *anyone* to take sharp three-dimension pictures with the all-metal, high precision Colorist. **8.** With this new slide projector, the TDC Headliner 303, you never have to select or change slides by hand. Tray-loading changer does it for you! Mounted in a case that holds 180 slides, only \$54.50.

9. A gift of the Miracle 2000 tape recorder carries with it new thrills in music! Two bass speakers and two high-frequency speakers give true full-range reproduction. In furniture cabinet of mahogany, \$299.50; in blond oak, \$314.50. *For full details on any of these fine products, see your Bell & Howell dealer or write to Bell & Howell, Dept. L-11, Chicago 45, Illinois.*



"SLUDGIE"
The AC Sludgehound
as he appears on television
with his accordion on
BIG TOWN — NBC-TV



The Only
Factory-Approved Filter
for
Cadillac • Buick
Oldsmobile • Pontiac
Chevrolet • GMC

keep your car in tune...
make music
in your engine

The gifted AC Sludgehound has a helpful hint that will turn any highway into melody lane . . . keep your engine whisper-smooth with effective AC oil filtering.

AC Oil Filters — there's one specifically engineered for *your* car's engine — remove tiny bits of dirt, grit, carbon and metal that get into the oil stream. Yes — remove *and* hold them where they can't get loose to harm delicate moving parts, finely finished surfaces. They will trap particles as small as 1/100,000 of an inch.

Want a quiet, sweet-running engine? Sure you do! Every 5,000 miles replace your filter with a fresh, new AC Oil Filter.



AC SPARK PLUG DIVISION • GENERAL MOTORS CORPORATION

LETTERS TO THE EDITORS

FEAR OF CANCER

Sirs:

I am honorary chairman of the American Cancer Society's board of directors and have had much to do with the society's educational program. I fear that Dr. Crile's fallacious philosophy ("A Plea against Blind Fear of Cancer," *LIFE*, Oct. 31) will be costly, for many lives will be lost if readers of his article in *LIFE* are lulled into a feeling of false security. Prior to 1945, the year the American Cancer Society was reorganized, neither the public nor even the medical profession in general was properly informed about cancer. Yet both the public and the medical profession regarded cancer as the most dreaded and hopeless of all diseases. The fear of cancer in 1945 was so profound that it was a name not to be published in newspapers or magazines. It was indeed a blind fear. . . .

The American Cancer Society has endeavored from the first to change that blind fear into an enlightened fear. Enlightened fear is absolutely essential to the safeguarding and prolongation of life. Fear and pain stimulate the sufferer to visit the physician.

Enlightened fear of cancer coupled with the hope of cure plus prompt action have made it possible for literally thousands to be living and well today who otherwise would have died of the disease.

ELMER H. BOBST

New York, N.Y.

Sirs:

I was astonished to hear a doctor express such views. My father thought it silly to rush for an examination just because he had a sore throat. When he finally did have an examination it was too late. His father also died of cancer and his father's father was suspected of dying from it. Don't you think this would make me a little afraid of cancer?

SANDRA CHAPPELLE

Sharon Hill, Pa.

Sirs:

Lengthy, expensive examinations, done at an early date, would have saved my wife from death by cancer. From this bitter lesson, I learned respect for cancer and placed my eight-month-old son in the hands of doctors who are as afraid of cancer as I am. They were able to save one eye and possibly his life.

BRYAN WATKINS

Highland, Ind.

Sirs:

It would be difficult to exaggerate the service you have rendered the people of this country by publication of Dr. Crile's article. Everything he says has so badly needed saying for so long. It took extraordinary courage to tell these truths.

EDWARD H. SPICER

Sunland, Calif.

Sirs:

Thanks to you and thanks to Dr. Crile. As a general practitioner, I see the ever-increasing number of patients with cancer, polio- and tuberculophobia. These people, as Dr. Crile indicated, lead a miserable life, keep doctors' offices and detection centers crammed and cannot ever get the assurance they are looking for. How can they be helped?

The answer can be found if more medical men voice openly what they admit to each other: that there is no remedy for the common cold, that polio takes its own course and that the "cures" of cancer are, at best, highly questionable. Until a real cure for cancer is found, let us not be fooled into senseless and hysteria-producing ventures.

HERBERT H. SHEY, M.D.

Far Rockaway, N.Y.

Sirs:

In the apparent controversy between Dr. Crile and many other famous surgeons, Dr. Crile stated his belief very clearly: "Basic research sounds far less practical and exciting than clinical work but in the end it is more important." Were you to ask your panel of doctors if they too subscribed to this belief, they would all, I am sure, answer in the affirmative.

THOMAS W. HYNES, M.D.

Brooklyn, N.Y.

Sirs:

After my cancer operation, I became painfully conscious of all of the propaganda being published and broadcast. My fear, as a result of having had the disease, was magnified a hundredfold. Fortunately, I had a wonderful surgeon and an understanding physician. Their assurances to me did more than anything else to set my mind at ease. My case was a type that is easily cured. But the "cancer people" don't make a distinction; they just talk about cancer.

ROY BAKER

University of Kansas
Lawrence, Kansas

'VOICE OF AN ANGEL'

Sirs:

I find Mr. Neville's article most unfair ("Voice of an Angel," *LIFE*, Oct. 31). Why discuss Maria Callas' private life when her great voice is the important thing? It's obvious that you have had to resort to desperate measures to find fault with something that doesn't concern you or anyone else.

MRS. RUBIA HOLLAND

New York, N.Y.

Sirs:

A true artist is a humble being. It is too bad that Maria Callas does not have these characteristics as yet. I could never enjoy an opera unless the characters loved their art and were humble.

HAROLD FINKBEINER JR.

Santa Fe, N. Mex.

Please send



to _____ name
_____ address
city _____ zone _____ state _____

ONE YEAR \$6.75 in continental U.S.,
Hawaii, Alaska, Puerto Rico, Virgin Is.
(1 year at the single copy price would cost
you \$10.40)

(Canada: 1 year, \$7.25)

Give to your newsdealer or to your local subscription representative or mail to LIFE, 540 N. Michigan Ave., Chicago 11, Ill. L-3447

This deluxe Nescafé® Coffee Maker brings you a new concept of coffee making!



EMILY POST says:

"It's important to be sure the coffee you serve is always *piping hot*. This de luxe Nescafé Coffee

Maker and warmer make it easy to have a good supply of delicious hot coffee ready for second and even third cups. Just follow the recipe below—you'll have coffee you're proud to serve to your family and guests."

RECIPE FOR "COMPANY COFFEE"

For each serving, put one teaspoonful of Nescafé (more or less, depending on strength wanted) into your coffee maker and add one coffee cupful of boiling water. Cover, let coffee steep for a moment to bring out extra aroma and Nescafé's pure coffee deliciousness.

Of course, Nescafé gives you tastier coffee in *any* coffee maker—coffee that truly satisfies your coffee hunger. But for the *newest* concept of coffee making—maximum ease in making, maximum pride in serving—send for the beautiful Nescafé Coffee Maker pictured.



Deluxe Nescafé Coffee Maker

with coffee warmer

\$4.95 value—\$2.00

and paper inner seal from Nescafé jar

A NESCAFÉ EXCLUSIVE BY SILEX

Order yours today! Pyrex-brand server 9 inches tall, marked for easy measuring—2, 4, or 6 cups. Coffee warmer is pierced black iron, complete with candle to keep Nescafé warm for second cups. You've seen similar sets in better stores for \$4.95 and more—get yours for just \$2.00!



MAIL THIS COUPON TODAY!

Nescafé Coffee, Box 239, Dept. L, New York 46, N. Y.

Please send me . . . De Luxe Nescafé Coffee Makers, each complete with coffee warmer. I enclose \$2.00 and 1 complete Nescafé inner seal for each coffee maker plus coffee warmer ordered. Total money enclosed \$

NAME

STREET AND NO.

CITY ZONE STATE

If you have an electric stove check here Allow 3 weeks for delivery. Offer good in U. S. A. and Territory of Hawaii. May be withdrawn or modified at any time.

Big difference in **THE BIG M** —more usable horsepower!



New 225-horsepower Montclair hardtop coupe in persimmon and classic white

Look again at THE BIG M coming up that mountain.

Its gas pedal is still far from the floor. Yet THE BIG M breathes easily all the way—actually gaining speed as it points its nose skyward. No mere mountain stands in its way *for long!*

THE BIG M is powered big—just for hills like this. Its new SAFETY-SURGE V-8 engine is the mightiest in all Mercury history—225 horsepower*. And not just for razzle-dazzle. It's there

to give you far more *usable* power—especially for pickup, passing and, as we said, for effortless hill-climbing.

THE BIG M is agile—to cope with today's stop-go traffic. It has new stamina, new efficiency—to roll up mile after mile of dependable, economical motoring. It takes curves as if on tracks, thanks to further improvements in ball-joint front suspension—a Mercury exclusive in its field.

Why not get acquainted with this miles-ahead BIG M today at your Mercury dealer's? See bold new styling innovations! 12 stunning models! New fleet of low-silhouette hardtops! 10 new Safety-Engineered features! New Flo-Tone Color Styling!

Best of all, remember that BIG M prices start below many models in the low-price field.

MERCURY DIVISION • FORD MOTOR COMPANY

For 1956—the big move is to **THE BIG M** MERCURY

A MAGNIFICENT VALUE IN THE FORD FAMILY OF FINE CARS

*Available in Montclairs and Montereys with Merc-O-Matic Drive (optional)

Copyrighted material

LETTERS TO THE EDITORS CONTINUED

Sirs:

It was with great interest that I read "Voice of an Angel" about Maria Callas. One point startled me. You quoted me as saying to Miss Callas in Mexico City: "I'll do all in my power to see that you are never signed up at the Metropolitan." Here are the true facts: At the end of the second act of *Aida*, where, as a matter of fact, there is not a duet between tenor and soprano, but an ensemble with chorus, Miss Callas chose to sing an E flat above high C instead of the low E flat written by Verdi. After the curtain had come down I said quite casually to Miss Callas, "Darling, they would never let you sing this high E flat at the Metropolitan or at La Scala. I have never heard it sung by any other soprano because it is certainly not written this way." In 1953, I sang *Aida* with Miss Callas at London's Covent Garden Opera House. On that occasion she sang the low E flat as written by the composer.

KURT BAUM

New York, N.Y.

NATION'S DRESSIEST FALL

Sirs:

I think your pictures of the "Nation's Dressiest Fall" (LIFE, Oct. 31) are lovely.

MRS. ULISSE M. NOLAN

New Orleans, La.

Sirs:

I blush for our American society to think anyone would dream up an ermine-trimmed box of chocolates. What does it look like?

BLANCHE N. NELSON

Traverse City, Mich.



ERMINE-TRIMMED CHOCOLATE BOX

GOOD SERGEANT'S RETURN

Sirs:

Concerning your reference to the Holy Family Orphanage as "my" orphanage ("The Good Sergeant's Return," LIFE, Oct. 31): It is, but it belongs just as personally to each member of the finest outfit in the Army, the 27th Infantry "Wolfhounds." Every payday the present-day men of the 27th donate part of their pay to their adopted wards. The Wolfhounds and the men of the 8th Field Artillery who have recently joined us in the project will soon reach the \$200,000 mark in what we regard as a tradition that will never end.

M/SGT. HUGH F. O'REILLY

Schofield Barracks
Territory of Hawaii

BIG ROW OVER READING

Sirs:

Congratulations on another fine article on education ("A Big Row over Reading," LIFE, Oct. 31). You pointed out two glaring errors of many who are writing on today's reading: 1) today's schools teach no phonics, and 2) the teaching of phonics will cure

all reading evils. The morale of many fine, hard-working teachers has been damaged by such one-sided articles.

NORMAN E. WOLLITZ

Longfellow School
San Diego, Calif.

Sirs:

As a teacher of English for six years I should venture to say that any of the methods of teaching reading is probably all right if there is definitely a method. But, any method must involve the teacher working his or her head off trying to make a method work. When that is the case, kids learn how to read.

ALBERT G. CRAZ

Goshen, N.Y.

ATHLETE'S DIPLOMATIC DEBUT

Sirs:

Jesse Owens ("A Famous Athlete's Diplomatic Debut," LIFE, Oct. 31) is the product of unsegregated, integrated American education. I was at Ohio State when he was there. All Americans profit when equality produces American assets like Jesse Owens.

KARL RUEDIGER

Washington, D.C.

SPECTACLE SALUTES SUN

Sirs:

I would like to add a few lines to complete your dramatic picture story, "A Strange Spectacle Salutes the Sun" (LIFE, Oct. 31). The *Diablada's*, or Devil Dance's, legitimate birthplace is the little mining town of Oruro, Bolivia. There it is traditionally danced in the streets the Saturday before Ash Wednesday. It depicts the battle between good and evil, between the Seven Deadly Sins and the Archangel Michael, and also incorporates the idea of the rebellion of the angels headed by Lucifer, Prince of Darkness. The dance originated soon after the arrival of the Spanish conquerors.

ARMANDO ZEGRI

New York, N.Y.

A DANGEROUS SILENCE

Sirs:

Your "A Dangerous Silence" (LIFE, Oct. 31) is great. Anyone who has watched a game can appreciate it, but the ones who will really feel it are football players who have sweated out an afternoon from the first enervating hours of the morning through the excitement of the game to the climax of the final gun.

H. HYMAN

Boston, Mass.

Please address all correspondence concerning LIFE's editorial and advertising contents to: LIFE, 9 Rockefeller Plaza, New York 20, N. Y.

Please address all subscription correspondence to J. Edward King, Gen'l Manager, LIFE, 540 N. Michigan Ave., Chicago 11, Ill. Changes of address require three weeks' notice. When ordering change, please name magazine and furnish address imprint from a recent issue, or state exactly how magazine is addressed. Change cannot be made without old as well as new address, including postal zone number.

Time Inc. also publishes TIME, FORTUNE, SPORTS ILLUSTRATED, ARCHITECTURAL FORUM and HOUSE & HOME. Chairman, Maurice T. Moore; President, Roy E. Larsen; Executive Vice President for Publishing, Howard Black; Executive Vice President and Treasurer, Charles L. Stillman; Vice President and Secretary, D. W. Brumbaugh; Vice Presidents, Bernard Barnes, Allen Grover, Andrew Heiskell, C. D. Jackson, J. Edward King, James A. Linen, Ralph D. Paine, Jr., P. I. Prentice; Comptroller and Assistant Secretary, Arnold W. Carlson.

How I retired in 15 years with \$250 a month

"Sometimes I have to smile. It's hard to believe that I'm retired today—retired with a life income. You see, I never had more than my salary, never inherited a dime, or even had luck in business! Yet a check for \$250 a month arrives on the dot. And I'm my own boss for keeps!

"I left the office two years ago. And when I explained how I was doing it, though I was only 55, more than one of my friends said he only wished I'd told him years before. He'd be retiring, too.

"There's only one secret. Seventeen years ago, back in 1938, I had saved a little money. So I went into partnership with a friend. We thought it was going to pay off very well.

"Well, it didn't. But it was the most profitable investment I ever made. It showed me that there was no easy way for me, with my limited experience, to make a lot of money.

"I had to find a way that was systematic and sure. I was 40 then.

"It was shortly after that that I read an advertisement that told of a modern way for people of moderate means to retire. It didn't call for any great capital. It simply required fifteen or twenty working years ahead. One thing I liked particularly was that my family was protected with life insurance from the first day I took out my plan. (This, surely, was better than any ordinary savings method!) And the income was guaranteed—whatever happened to the business world—each month, every month, from the day it began as long as I live. The plan was called the Phoenix Mutual Retirement Income Plan.

"The ad offered more information. So, I mailed in the coupon. It brought a booklet describing the various plans.

"Soon after, I applied and qualified for a Phoenix Mutual Plan. And from that day on I've honestly felt like a rich man. Because I knew I wouldn't just simply live and work and die. I had a future I'd really enjoy. And that's what I'm doing today—with many, many thanks to my Phoenix Mutual check for \$250 a month that means financial independence for life."



Send for Free Booklet

This story is typical. Assuming you start at a young enough age, you can plan to have an income of \$10 a month to \$3,000 a year or more—beginning at age 55, 60, 65 or older. Send the coupon and receive, by mail and without charge, a booklet which tells about Phoenix Mutual Plans. Similar plans are available for women—and for employee pension programs. Don't put it off. Send for your copy now.

 ESTABLISHED 1851 PHOENIX MUTUAL <i>Retirement Income Plan</i> GUARANTEES YOUR FUTURE <small>OVER 100 YEARS OF LIFE INSURANCE PROTECTION FOR BUSINESS AND FAMILIES</small>	
PLAN FOR MEN	PLAN FOR WOMEN
<p>PHOENIX MUTUAL LIFE INSURANCE CO. 163 Elm Street, Hartford 15, Conn.</p> <p>Please mail me, without cost or obligation, your illustrated booklet showing how to get a guaranteed income for life.</p> <p>Name _____</p> <p>Date of Birth _____</p> <p>Business Address _____</p> <p>Home Address _____</p>	
<p>PHOENIX MUTUAL LIFE INSURANCE CO. 163 Elm Street, Hartford 15, Conn.</p> <p>Please mail me, without cost or obligation, your illustrated booklet "Retirement Income Plans for Women."</p> <p>Name _____</p> <p>Date of Birth _____</p> <p>Business Address _____</p> <p>Home Address _____</p>	

COPYRIGHT 1955, BY PHOENIX MUTUAL LIFE INSURANCE COMPANY

THE Forever Raven

You'll know this bird by his ruffled feathers and enraged look as he races down the road hollering and honking. He always bawls out other people and forgets to watch where he's going himself.



THE Smart Bird

knows that the courteous, calm driver is the safe driver. He uses his horn sparingly and is patient with pedestrians and motorists alike. For him, driving is a pleasure.

Another thing that makes driving a pleasure for the Smart Bird is premium gasoline. Premium gasoline, with its higher octane rating, gives him top power to meet every driving situation.



It's smart to use
premium gasoline

DRIVE
MORE
...it gets cheaper
by the mile!



ETHYL
CORPORATION



WAVING HIS ARMS, BIRMINGHAM CAR DEALER O. Z. HALL (TOP) SHOWS HIS SALES STUNTS, MOSTLY BASED ON CREDIT. BERMUDA SHORTS PLUG "SHORT" PROFITS

AS INSTALMENT DEBT HITS NEW PEAK AND THE BOOM ROLLS ON, A HARD LOOK AT CONSUMER CREDIT

Still the U.S. boom continued. The stock market, encouraged by higher corporate earnings, was on its way up again. Personal income, employment, new car sales—thanks in part to the kind of frenetic salesmanship shown above—were all climbing. Then, amid the excitement came a new note of caution. It took the form of a brake on consumer credit, applied gently and in stages by the Administration.

In September consumer credit reached a record high. But what alarmed the Administration

and some business leaders was not the amount of consumer debt, for this is still only 12% of personal income. The concern was over the rate at which families were going into debt—a rate faster than the rise in income.

The U.S. has built much of its unprecedented standard of living on credit, and in the process has started a revolution in consumer purchasing. Instead of saving for years to afford major purchases, customers buy on credit and enjoy their goods while they pay for them.

At least half of all major household appliances are now bought on credit. As much as 60% of car sales involve credit.

To slow credit, the government had stiffened the terms of government-backed home mortgages and raised the interest rate on the money which member banks borrow from the Federal Reserve system. The actions sparked sharp debate over whether or not credit buying had gone too far, too fast. Here LIFE takes a look at the accomplishments—and perils—of credit.



WHAT THEY HAVE is displayed by Jacqueline and Gregory Daley outside their new Los Angeles house.

Almost all bought on credit, it includes refrigerator-freezer (*left, rear*), electric oven and range (*right*).

WHAT THEY OWN—that is, have paid for—is represented below. House payments cover framing and





furnace (rear). Car equity would buy wheels, motor. Total payments take \$231 of \$600 monthly income.



SIGNS OF THE TIMES, Illinois to California, show range of credit uses. Banks have encouraged

consumer loans, which yield higher interest than commercial loans. No-down deals are now rarer.

THE GREATEST TRIUMPH OF CREDIT: HOUSING

It was in housing that the boon of easy credit had been greatest. To alleviate the housing shortage, the government has been guaranteeing low-interest, long-term mortgages.

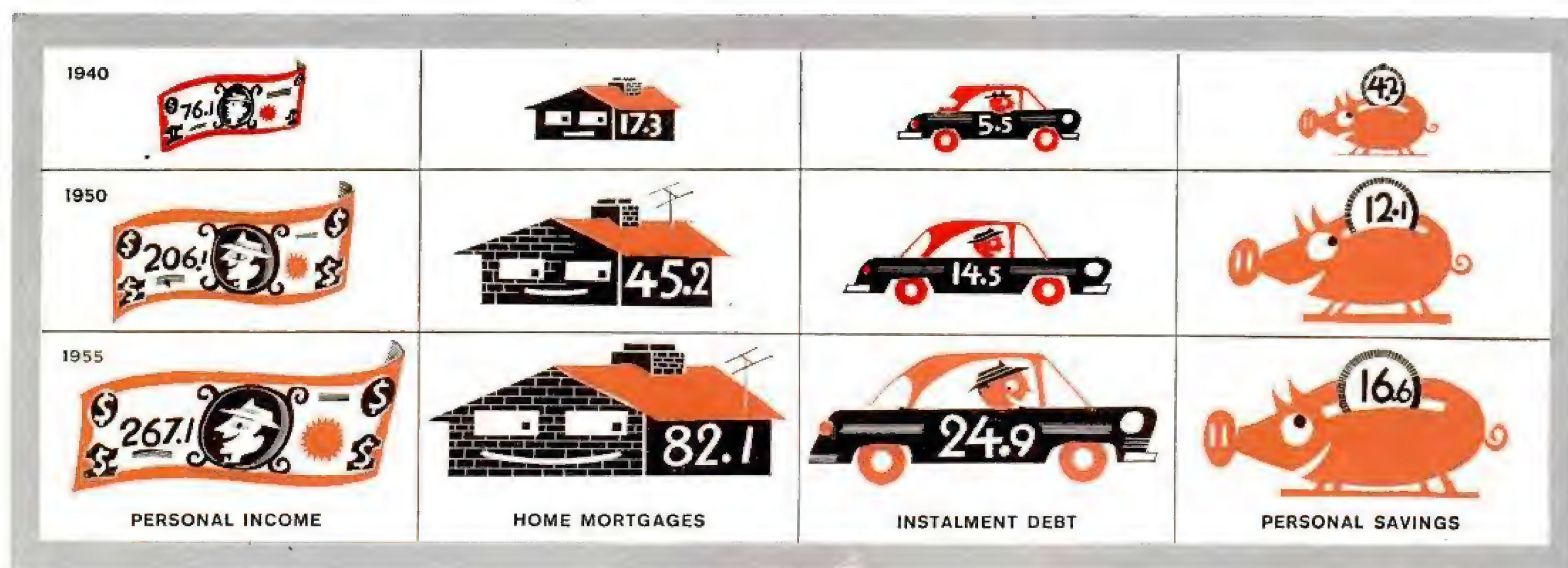
With such mortgages available, whole towns sprang up where there had been only field or even desert before. Here after the war flocked thousands of families, mostly headed by veterans. They drove to their homes in cars being purchased on credit, and often furnished the homes from wall to wall with easy credit purchases, as the pictures at left demonstrate.

Once the worst of the housing shortage was over, the new danger arose that too-easy mortgages were luring unqualified buyers into the housing market. The Administration thus cut out the no-down payment provision for loans it backed and shortened the maximum loan-term from 30 years to 25. This and the other credit-tightening actions were quickly felt and the number of new houses being started declined. But credit had done its job. From 1939 to 1955 the percentage of U.S. families buying their own homes increased from 40 to 60%.



CREDIT CITY of Kearns, Utah sprawls near Salt Lake. Started in 1949, Kearns now has 2,140 homes

costing \$18.9 million. Purchasers, using FHA and GI loans, put down only about \$160,000 in cash.



THE GROWTH OF CREDIT (in billions) from 1940 through June 1955 shows in the chart above. Disposable personal income (after taxes) has grown about

3½ times, but mortgage and instalment debt combined have increased almost five times. Savings have kept pace with income, but not with formation of debt.



UNTANGLING FINANCES, the George Matsons of San Francisco watch as debt counselor Morris

Rabinowitch (right) uses silver dollars to show how their income must be divided among 16 creditors.

THE RECORD SO FAR: TROUBLES ARE MINOR

Along with the industries which burgeoned on credit sales, credit itself has become a big business. Stores have big staffs for credit accounts. A few firms make a business just of reclaiming cars (*below*) and other merchandise on which purchasers fail to keep up the payments.

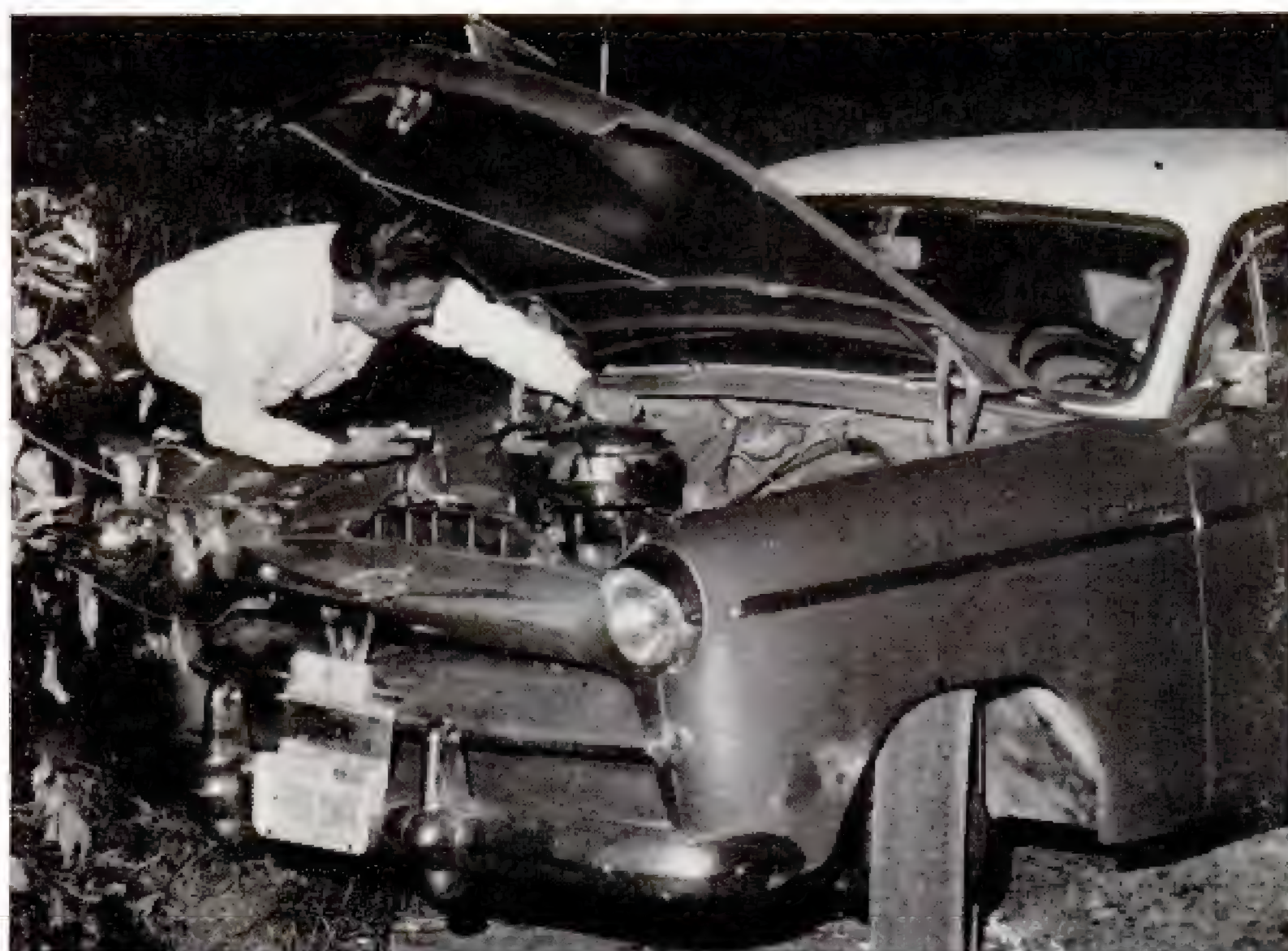
But considering the vast and growing volume of mortgage and instalment debt outstanding, there has been surprisingly little trouble. Because most stores make thorough investigations before extending credit, retail credit losses are still under 1% of total sales.

Still families find themselves overextended and turn to debt counseling firms—some reputable, others not—to handle their finances. Continuing prosperity would keep such troubles at a minimum; the worry was that a slight recession could hurt many debt-heavy families.

THE GENTLE ART OF REPOSSESSING UNPAID-FOR CARS



STARTING REPOSSESSION of a car they were hired by a finance company to find on Long Island, Blaine Stoddard and Glen Sanders check serial numbers.

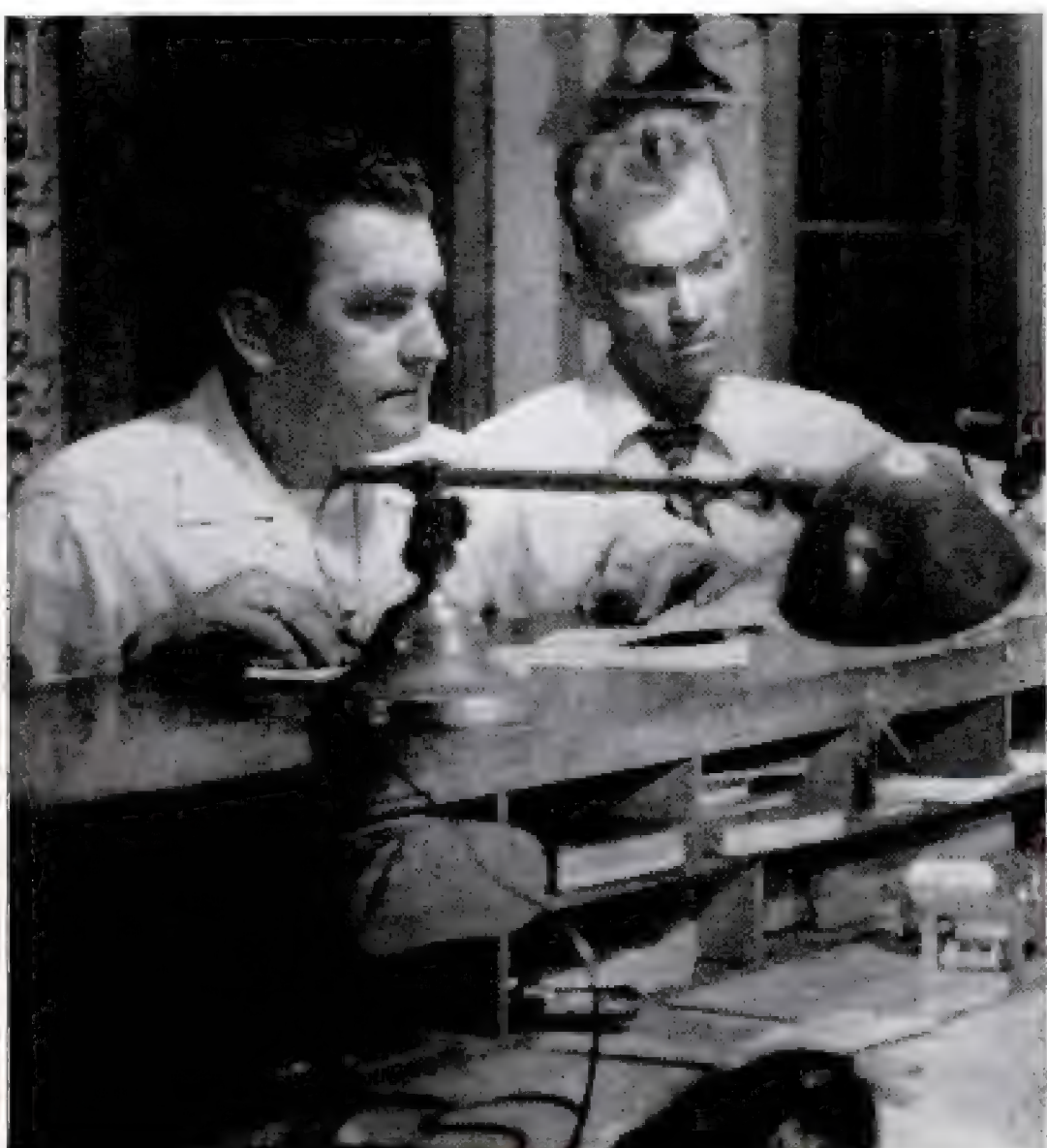


STARTING MOTOR of another car without the key, they jump the spark from battery to ignition wires. They have pass keys for some cars, use tools on others.



CHECKING CREDIT FILES, clerks at Sears, Roebuck's big store in San Diego flip through some of the 40,000 instalment plan and monthly charge accounts,

which represent one out of every seven families in the area. Sears also has a plan by which customers make monthly deposits, buying against this account.



REPORTING TO POLICE, to avoid being arrested, the men show their credentials at Queens precinct.



ONE NIGHT'S HAUL for Stoddard and Sanders, the three cars are lined up in a Queens lot. On center

hood are pass keys, other tools of their dangerous trade, for which they earn an average of \$25 per car.



HONEYMOONING ON CREDIT, Bollinger and his wife in Seattle pick up tickets for a flight to

Hawaii. Both university students, they put down 40% of \$550 ticket, will pay rest at \$28 a month.



BUYING A BOAT on easy terms, George Letendre (right) of Dallas watches men hook up \$1,085 craft.

FUNERAL PLAN (below) at a California mortuary lets bereaved buy casket, service on easy terms.



Credit CONTINUED



AIRCRAFT CREDIT helps Thomas Kindred (left) of Dallas buy new \$9,147 Stinson for \$3,447 down.

GROWING USES, A CALL FOR CAUTION

The miracle of part-down, years-to-pay now applied to everything from teeth to travel. Credit buying stemmed from confidence that times would stay good. Last week as Birmingham auto dealer O. Z. Hall (*p. 33 and opposite*) revved up for a new season of all-out selling (liberal credit if desired), there seemed to be plenty of that confidence around. But there was also need for caution, lest easy credit lure buyers into committing more than they can afford for things they can do without.

"There was nothing wrong with instalment credit," said a banking group, "that reasonable self-restraint will not remedy." But the trend was likely to continue. New families with new credit needs were being formed at a fast clip. In a dynamic economy, no one could be sure how much debt was too much. One survey showed that 57% of all families actually owed (as spending units) no instalment debt at all.



INSTALMENT DENTISTRY, with the payments lasting 12 months, benefits Janet Turpin of Atlanta.



THE HARD SELL ROARS ON
AS BOSS O. Z. HALL TELLS
SALESMEN ABOUT '56 MODEL



IN FRONT OF WHITE HOUSE ON PENNSYLVANIA AVENUE, FRIENDS DISPLAY PLACARDS AS THE PRESIDENT PASSES BY IN A PLASTIC-DOMED LIMOUSINE ON WAY



HANGERS-ON, hopeful for a glimpse of the President, clutch iron fence as they peer across the front

lawn to the White House. They were disappointed when the President was driven to a side entrance.



FIRST PUTT since his illness is tried by the President during practice on the lawn with his son John.

EVERYONE IS GLAD TO SEE IKE UP AND AROUND—INCLUDE US IN

Like old friends who can convey a world of meaning by a wink or a nod, President Eisenhower and the whole country were sharing a mutually exhilarating experience. It seemed that when Ike happily walked out of the hospital in Denver last week—49 days after he had suffered his heart attack—everyone else felt a great deal happier too.

Beaming as he left Colorado on Friday with Mrs. Eisenhower, the President again

grinned broadly as he faced the 5,000 on hand to welcome him at Washington's National Airport. And they grinned right back at him.

Less than 24 hours after he got home the President was limbering up with some practice putting. But his stay in Washington was to last only a weekend. Following the doctors' orders not to "bulldoze" his way into work, the President would spend the next few weeks resting at his Gettysburg farm (LIFE, Nov. 14).

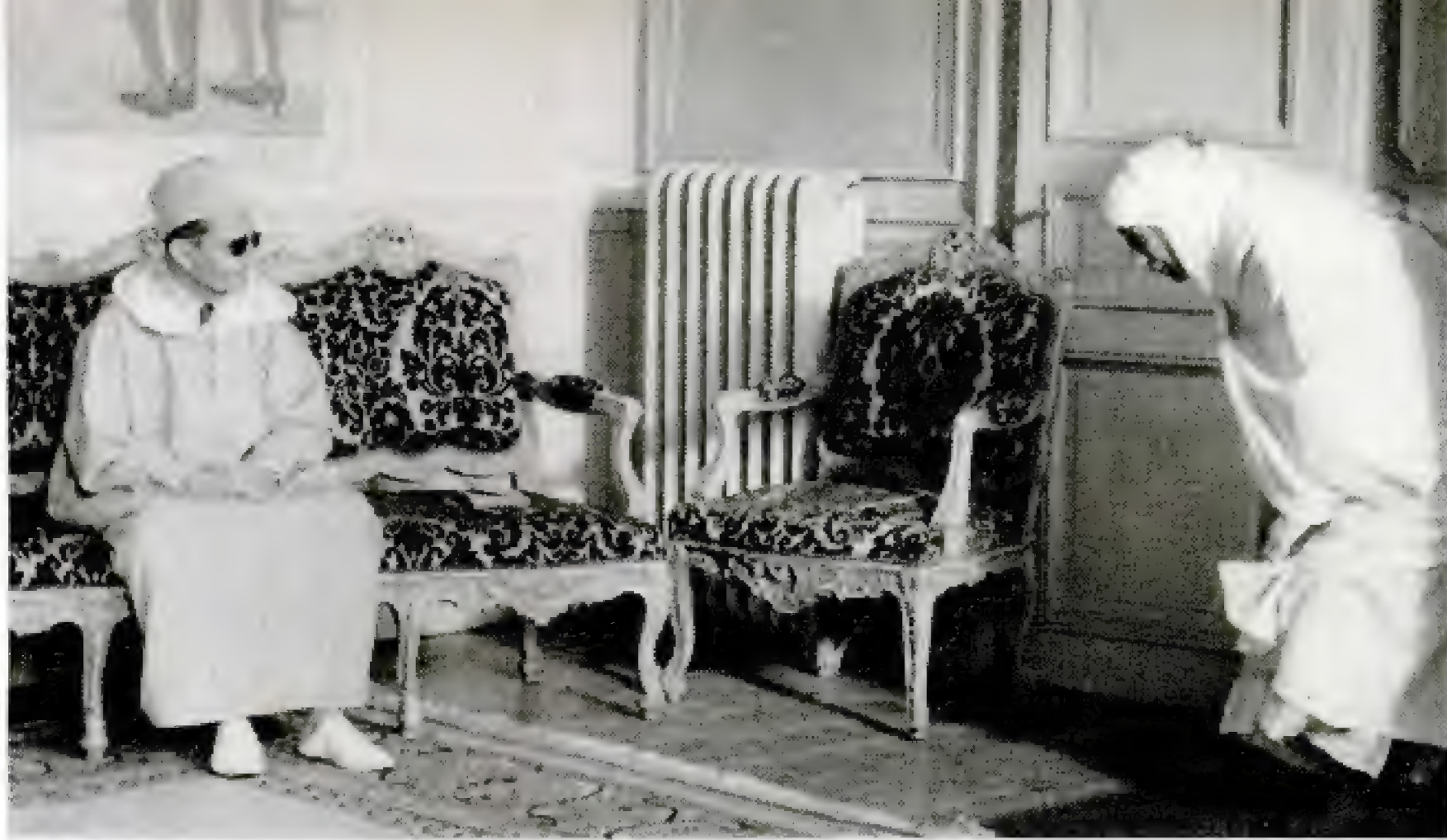


TO AN ENTRANCE TO THE WHITE HOUSE GROUNDS



STEPPING OUT after his hospital stay, President → Eisenhower leaves car to board plane at Lowry Field.





ENTERING. El Glaoui, shrouded in white *djellaba* and hood, bows to sultan seated on brocade divan in gilt reception salon of Pavillon Henri IV hotel.



SALAAMING. El Glaoui with bowed head begins his obeisance, guided by royal chamberlain, Si Mohamed ben Aich, who directs protocol of ritual.

A PASHA'S DAY

Berber chief cringes before old foe

The remarkable piece of self-abasement shown here took place in France last week. At Saint-Germain-en-Laye 80-year-old Thami el Glaoui, Pasha of Marrakech, a powerful Berber chief-tain and longtime supporter of French sovereignty in Morocco, crept cringingly on all fours across a floor to beg pardon of his bitter enemy, Sidi Mohammed ben Youssef.

Two years ago El Glaoui had connived with the French to depose 46-year-old Ben Youssef as sultan of Morocco. Ben Youssef was exiled to Madagascar, but rioting Moroccan nationalists demanded his return. Grudgingly the French invited Ben Youssef back to France for talks. Then, when El Glaoui switched to the support of Ben Youssef, the French gave in. They formally approved Ben Youssef's rights to the throne and brought old El Glaoui up to repent.

GROVELING. El Glaoui crawls slowly on hands and knees toward sovereign while royal chamberlain puts firm hand on El Glaoui's back to push him into even lowlier posture. Ben Youssef had planted photographers upon the balcony outside the windows to record his revenge.



OF ABASEMENT

by doing an up-down-and-up penance

The five-minute scene of El Glaoui's submission was carried out with all the protocol of a court ceremonial and in accordance with long established Moroccan ritual. "Majesty, I have been deceived," whined the pasha as he groveled before Ben Youssef. "I am his majesty's slave and beg forgiveness!" The sultan, who had forced El Glaoui to wait for an hour before receiving him, smiled while El Glaoui kissed his robe and his feet before he spoke to the hunched figure: "Do not mention the past," he said. "What counts is the future." Only after repeated ups and downs did El Glaoui take leave of his former enemy, bringing to an end—at least formally—the ancient feud. Meanwhile in Morocco Ben Youssef's subjects joyously prepared for the return of their exiled sultan to the imperial palace at Rabat.



LEAVING, El Glaoui, apparently exhausted by series of genuflections and crawls, is aided by chamberlain as sultan remains smugly seated on divan.



KNEELING, El Glaoui pleads for pardon from sultan. As special mark of servility El Glaoui left slippers outside, made appeal in black-stockinged feet.



A LOOK AT THE WORLD'S WEEK



A 50-CENT PHONOGRAPH

In New York a small boy demonstrated a cheap new cold war weapon—a 50¢ hand-cranked RCA phonograph which the U.S. may airdrop in critical areas abroad to spread propaganda.



TEARS FOR A PAINTER

As his confessor and his wife stood sadly by, Maurice Utrillo (LIFE, Jan. 16, 1950) lay dead in a French hotel. Later Utrillo was buried in the Montmartre section of Paris, which he loved and whose narrow, winding streets he had immortalized in almost all his paintings.



COATS FOR TURNCOATS

In Portland, Ore. three GI turncoats from Korea turned old coats in for new as a friend footed the bill. Dishonorably discharged and held for court martial, they had been released under a Supreme Court decision that civilians could not be tried for actions while in service.

BELEAGUERED BALLOONIST→

Garrett Cashman is an amateur balloonist who makes his own contraptions, was once arrested for flying without a license. Taking off from Kansas City in a bag of balloons, he barely cleared nearby wires as some balloons escaped. Later he soared to 19,000 feet before landing.



A MAN WHO WAS TO RETIRE HAS A DEADLY LAST LAP

As his car leaped into the air, its front wheels ominously askew, Driver Jack McGrath threw up his hands and his crash helmet hit the track (*right*). In a 100-mile race in Phoenix, Ariz.,

the famed Indianapolis 500 driver entered a turn when his front axle apparently snapped. The car flipped over and killed McGrath, who had planned to retire at the end of the race.

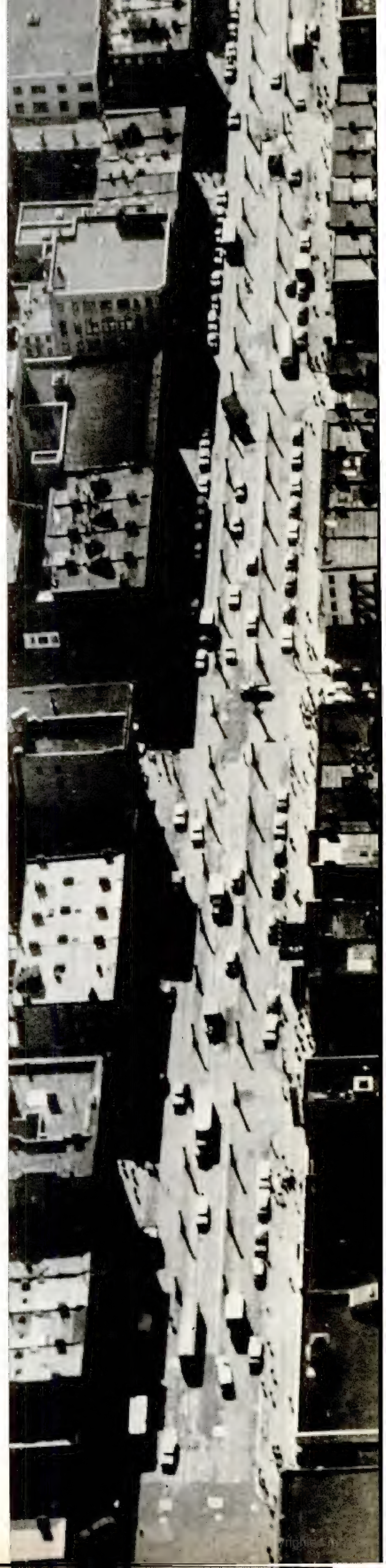


WEDDING FOR ROCK

Actor Rock Hudson, a handsome bachelor (*LIFE*, Oct. 3), swore he would not wed until 30. Last week, 29 years, 357 days old, he reneged, wed Phyllis Gates, an agent's secretary.

KNELL FOR THE EL→

For the first time in 77 years, traffic moved in sunlight on New York's Third Avenue, and in some sections only steel pillars remained of the historic elevated the city was tearing down.



LET'S KEEP THE GENEVA SPIRIT

The weather in Geneva last July, when the world's hopes went soaring on the lofty vision of Dwight D. Eisenhower, matched the "spirit of Geneva": bright sun, blue sky, fair weather. Last week in Geneva, a gloomy rain was falling, the summer's leaves, now dead and sere, were quietly dropping, and so, too, were the world's hopes. The great vision had bumped, very hard indeed, against the great stone face of Communism as personified by V. M. Molotov. The "much better baggage" he had promised to tote from Moscow, in a kind of international striptease, turned out to be a suitcase full of custard pies which he threw, in all directions, at anybody who so much as raised his head to cry "Geneva spirit!" Free elections for Germany? *Nyet, nyet*. Mutual air reconnaissance? *Nyet, nyet, nyet!* The "spirit of Geneva" seemed about as dead as a pickled herring.

Does that mean the U.S. ought to bury the spirit? Not at all. The spirit of Geneva is something we must do everything in our power to keep alive, whether the Soviets let it accomplish anything or not. For such a spirit, of cordiality, good intentions, goodwill, is and always has been the American spirit.

There is another reason why it is the American spirit. That lies in the principles on which our republic was founded—the "unalienable rights" of every human to freedom and to dignity, to govern himself in free elections, be free from search or seizure, to speak and worship as he pleases, and enjoy the protection of equal justice under law. These, indeed, are the principles which the architect of the "spirit of Geneva" used to define that spirit in his major post-Geneva speech last August. Americans will, President Eisenhower said in brief, go anywhere, and to any lengths, to win peace, *except* to compromise their principles. Thus, we can never acquiesce in their suppression, as in the satellites. That does not prevent us from meeting more than halfway any genuine Soviet effort to maintain world peace.

Despite all discouraging signs to the contrary, it is not unrealistic to believe that patient maintenance of this "Geneva spirit," or American spirit, in the end may very well bring about tangible accomplishments. Our freedom and self-governing have created, in this nation, such unrivaled economic abundance that even the docile Russian people are beginning

to chafe at their own lack of it—and to get ideas that they could, and should, have more of it.

Many top physicists predict that eventually atomic energy will be limitless and virtually costless; that would make it impossible for even Communists to justify the enslavement of their citizens on economic grounds. At the same time it would nakedly expose all Communist justifications for their *political* enslavement. It is therefore not inconceivable that, if we can maintain the "relaxation of tensions" for a number of years, great pressures will gradually be exerted by the Soviet people themselves to work changes in the attitudes and policies of their self-perpetuating masters. Such changes would necessarily move in the direction of our own principles, and as astute a man as General MacArthur has predicted such a gradual transformation. But we cannot trust time alone to bring the changes. There will be many occasions when we must take firm, courageous stands for our beliefs.

The appeal to these principles of freedom and dignity and justice is our greatest weapon in the world struggle. The strength of the principles lies, of course, in the fact that they are universal, not simply "American," ideas. The greatest blessing Providence ever bestowed upon our nation was that the Founding Fathers, deeply versed in the laws and philosophies of the ages, not only accepted but passionately believed these principles were inherent in God's "moral law" from which all just laws derive. Our diplomacy has always been strongest, and most effective, when expressing these ideas. Whenever the U.S. gives them their loftiest expression—as in Wilson's Fourteen Points and as Eisenhower himself did in person at Geneva—a sort of electric current runs through the world.

These principles are an important part of our "Public Philosophy," our national credo. So is our belief that all men must eventually obtain the rights they imply. From the beginning, their American application has acted as a ferment in Europe's democratic uprisings. As long as we faithfully apply this philosophy, time works for us.

So let us then by all means keep the Geneva spirit, asserting and reasserting our Public Philosophy as it was stated at the beginning by General Washington: "Let us raise a standard to which the wise and honest can repair."

HOMELESS IN GAZA

The experts seem agreed that the violence in the Middle East is not likely to lead soon to a major war. If so, that gives time to do something about the basic cause of the present trouble. That cause is the continued homelessness of nearly a million Arabs now living a drab and precarious existence in refugee camps provided by the United Nations.

These Arabs, who lost their homes after the 1948 U.N. partition of Palestine and after Israel's 1949 victory against Egypt had extended the original boundaries created for Israel, are to the surrounding Arab states a galling symbol of military defeat. Moreover, since U.N. resolutions repeatedly promised the refugees the right to return to their homes or be reimbursed for their loss, the refugees themselves are the greatest single force of agitation and discontent prodding the Arab governments into hostile gestures.

In Gaza the refugees outnumber the local population two to one, in Jordan are one third of the total population; and they exert similar pressures in Lebanon and Syria. Accordingly, the *sine qua non* of establishing durable peace in the Middle East is to make good the U.N. promises.

What prevents this is Israel's failure to offer repatriation

to any of the Arabs. Because of this, the Arabs, in turn, refuse the resettlement elsewhere which the U.N. has voted \$200 million to provide. They believe that to do so would forfeit their rights to go back to their old homes.

Actually, most of these homes are gone. If the Arabs realized this, and if it were made clear to them that to return would mean simply to live in new camps, under Israeli rule, it is unlikely that even as many as 50,000 would choose such repatriation. Having realized that they could not restore their old status, they would be likely to accept resettlement. Accordingly, the best way to break this psychological deadlock would be for Israel to offer repatriation to the refugees and take all who accept. This would force the refugees to make a decision. The deadlock broken, the way would then be clear for a U.S.-U.N. loan to Israel to pay compensation to those who refuse repatriation. Such resettlement would open the way for economic projects—a TVA on the Jordan, an irrigation pipeline from Egypt's Nile—which are now being stymied by the tension the refugees provoke. When such projects make the deserts blossom, and all Middle Easterners live better, there will be hope that hatreds will diminish.

The famous New Orleans restaurants never made it better!

Campbell's frozen CREAM of SHRIMP



A great seacoast delicacy, now yours any time or place —
thanks to freezing!

Even in New Orleans, you'd look a long time before you found Cream of Shrimp soup to compare with the kind that Campbell's can now set before you, through freezing.

Campbell's makes it with choice shrimp, plenty of cream, butter, and a pinch or two of special seasonings and

spices. All brought together in a perfect blend and balance—thanks to freezing!

Freezing... that's how Campbell's can now bring you this real party-going soup in prepared form, just any time you take the notion. It's right there in your grocer's freezer—Campbell's Frozen Cream of Shrimp Soup.

Campbell's frozen soups

Oyster Stew • Green Pea with Ham • Cream of Potato • Cream of Shrimp





NEW 1956 NASH AMBASSADOR Country Club pictured at Disneyland in California

Announcing NASH FOR

BUILT BY AMERICAN MOTORS . . . EXPRESSLY FOR THE ALL-DISTANCE



ALL-NEW LIFT AND LIFT! Distinctive new Nash speedline styling flows through to new, advanced-design, massive taillight assembly. From every angle, there's the look of a jet plane poised for take-off.



ALL-NEW COLOR-KEYED INTERIORS! A brilliant harmony of colors carried throughout—even to brake and accelerator pedals and steering wheel. Airliner Reclining Seats rest children—or adults. Twin Travel Beds, too.



IT'S HERE FOR YOU to see and drive today! The brilliant new Nash for 1956—fresh, free, completely new beauty—inside and out.

Come see it! You'll be amazed by this startling new car. See the bold, racy distinction of swift new speedlines. Now 220 HP Jetfire V-8 muscle behind that sports-racer grille.

See a "carload" of brand-new travel ideas to make long trips or short trips easier and more enjoyable than you've ever known before.

See not only the most spacious room on the road and the most tastefully appointed, but the most comfortable, the safest, the quietest, thanks to a great new advance in construction. With all this, you enjoy easiest "city-handling".

See the new cars with most wanted Power Assists and automatic transmissions, plus scores of travel features that can't be had in ordinary cars—from Reclining Seats to new low-cost Air Conditioning. See and drive the world's finest travel cars—at your Nash dealer's today.

ALL-NEW DOUBLE SAFE CONSTRUCTION →

← **ALL-NEW, ALL-SEASON COMFORT!** Whether it's arctic-cold or desert-hot, the climate's always perfect. All-Season Air Conditioning—priced for everyone to own—heats, cools, ventilates, filters. One control. Simple to operate as a light switch!

See Disneyland on ABC-TV.

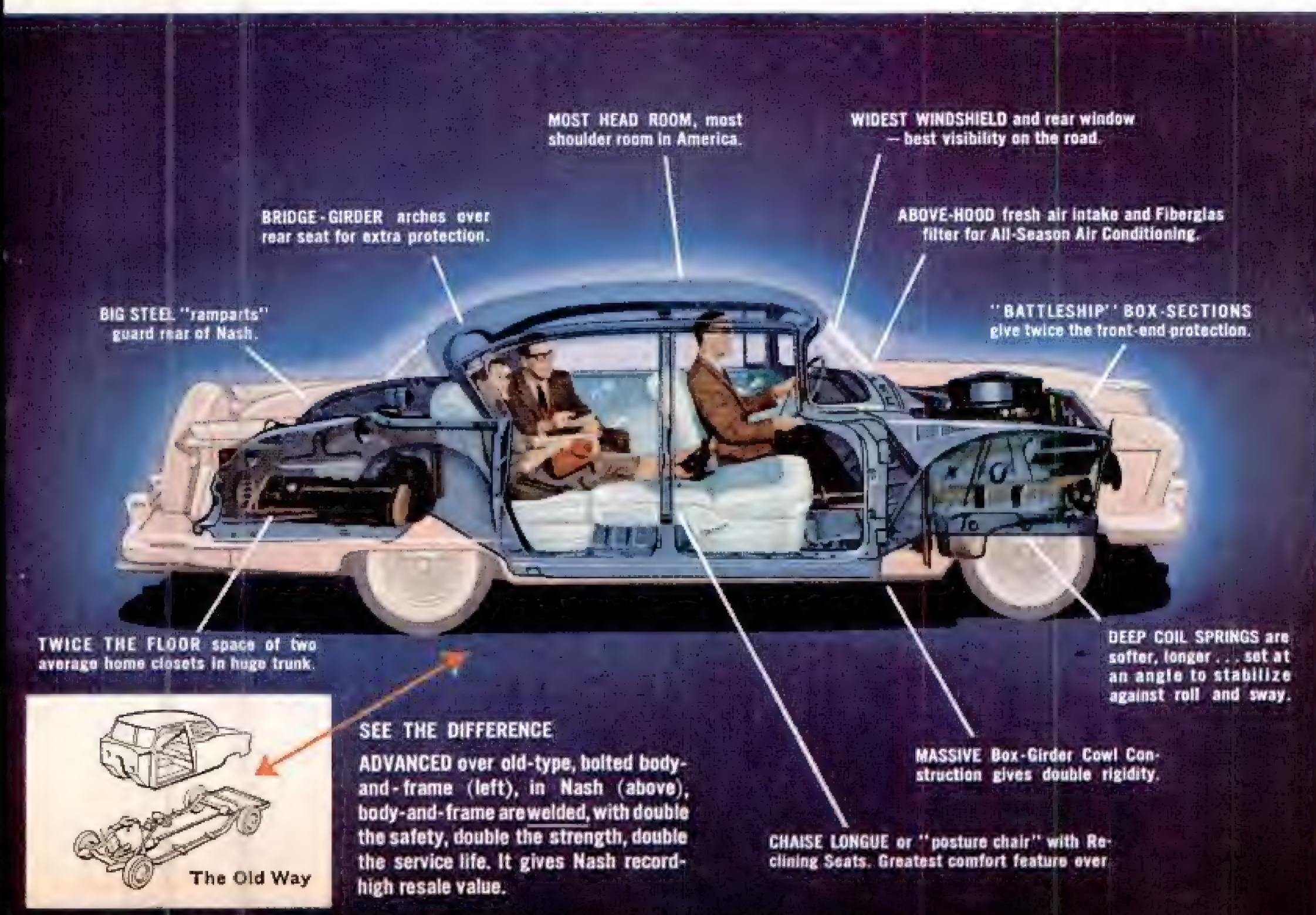
Copyrighted material

PHOTOGRAPHED IN DISNEYLAND



'56 The World's Finest Travel Car!

TRAVELING NEEDS OF MILLIONS OF FAMILIES TODAY!



ALL-NEW GETAWAY POWER with the 220 horsepower Ambassador Jetfire V-8, America's most advanced V-8. Mobilgas Economy Run "Big Car Champ" in the Ambassador Six. Brand-new overhead valve Statesman engine with increased power, amazing gas mileage.

WORLD'S FINEST TRAVEL CAR

Nash

'56

TOPS IN RESALE VALUE



Product of American Motors
American Motors Means More for Americans

Copyright 1956 American Motors Corporation



The syrup's the secret! Log Cabin has real maple flavor because it has real maple sugar in it—perfectly blended with other sugar. That's why Log Cabin is the secret of better-tasting pancakes.

- Idea! New Bread-N-Butter Waffles with Log Cabin. See recipe on bottle.

Product of General Foods



Copyrighted material



IN INDIANAPOLIS Mayor-elect Phillip L. Bayt (*right*) eats a victory breakfast served by his wife while their son, Phillip A. Bayt, reads newspaper election results. Bayt defeated his Republican opponent, James Birr, by 16,000 votes.



IN EVANSVILLE Democrat R. Vance Hartke gets a wifely embrace as he hears he is new mayor. He and Republican opponent, Curt Huber, split with regular party organizations in primaries and many voters crossed party lines in election.



THE OFFBEAT TRIUMPH OF AN OFF YEAR

Hoosier Democrats score sweep in local contests

Of all the off-year election results last week, none was more spectacular than the outcome of the mayoralty races in Indiana. In a sweep that included Indianapolis and 16 of the state's largest cities, the Democrats elected 72 mayors and displaced 48 Republicans. In part, this was due to local issues and a bitter Republican intraparty fight in the state.

Elsewhere in the U.S. the results revealed no clearly discernible political trend, though the Democrats could claim an overall numerical gain. In Philadelphia, Democrat Richardson Dilworth won over the Republican mayoralty candidate, W. Thacher Longstreth, by a landslide margin of 130,000 votes, thus setting up the incumbent Democratic mayor, Joseph Clark, for a 1956 race against Pennsylvania Senator James Duff. In Kentucky former Senator A. B. (Happy) Chandler, victor in an upset primary over a candidate backed by the state's leading Democrats, was elected governor over Republican Edwin R. Denny by a plurality of close to 150,000—far greater than had been expected.

The rival national chairmen made the customary explanations of off-year wins and losses: Democrat Paul Butler saw a national trend for 1956 (natch) and Republican Leonard Hall blamed purely local issues (natch).

ELECTION PATTERN in Indiana shows 72 Democratic municipalities. Red dots indicate mayoralty gains from GOP. Black dots show the cities where Democrats were already in control, except for Butler, which had no mayor before, and Vincennes, whose mayor was independent.



IN MUNCIE Democrat Arthur Tuhey is congratulated by wife at party headquarters after his victory over the Republican incumbent, Joseph R. Barclay.



IN NEW CASTLE Sidney Baker's wife gives him victory kiss. Republican rival lost favor by asking National Guard aid in Perfect Circle October strike.



IN ROCHESTER Democrat W. D. Jefferson and his wife cast ballots. His victory gave the Republicans their first mayoralty defeat in the town in 26 years.

Looking for Something?



CARPETS AND RUGS



**FROM CARPETS TO FLORISTS
WHATEVER YOU NEED**

Find It Fast
In The
'Yellow Pages'




IN KENTUCKY, Governor-elect A. B. (Happy) Chandler moves joyfully among throng of backers in his Louisville headquarters after voters returned him to power following a 10-year layoff from competition in state politics.

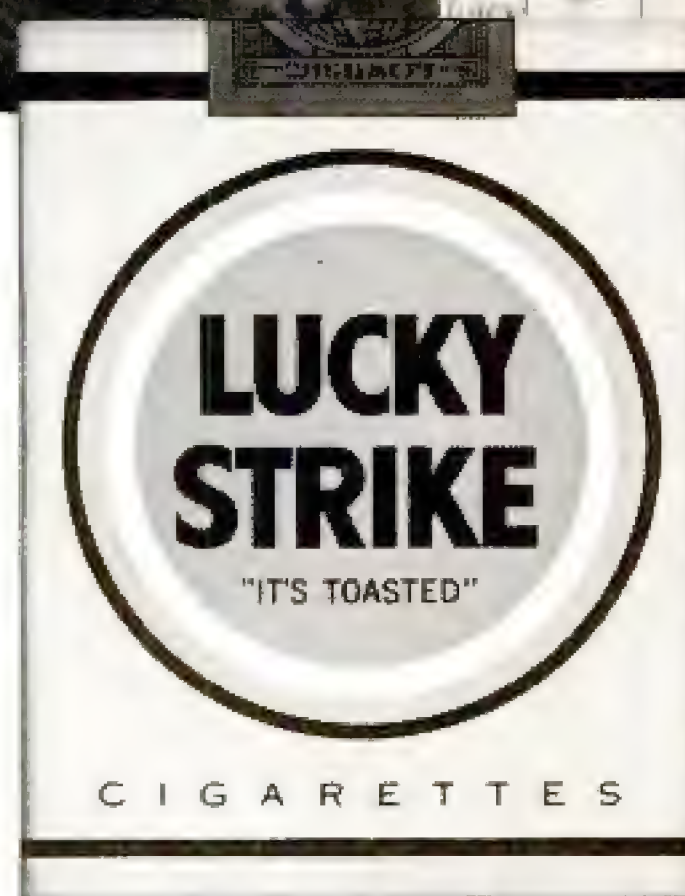
IN PHILADELPHIA, the incoming mayor, Richardson Dilworth (right), solemnly chews on a pencil while his predecessor and campaign supporter, Mayor Joseph S. Clark, delivers congratulatory speech on Democratic landslide.

Light up a Lucky—
it's light-up time!



The best-tasting cigarette you ever smoked!

TIME FOR A CHANGE! Time to enjoy better taste! Time to light up a Lucky! A Lucky tastes better, first of all, because Lucky Strike means fine tobacco. Then that tobacco is *toasted*. "*It's Toasted*" to taste even better . . . cleaner, fresher, smoother. So make a change for the better—better taste, of course. Next time you light up, light up a Lucky.



**"IT'S
TOASTED"**
to taste
better!

LUCKIES TASTE BETTER - Cleaner, Fresher, Smoother!

©A. T. Co. PRODUCT OF *The American Tobacco Company* AMERICA'S LEADING MANUFACTURER OF CIGARETTES

DIPLOMATIC SIDE TRIPS AROUND EUROPE, THEN...



IN SPAIN, as the highest ranking U.S. VIP to visit once-shunned regime, Dulles meets General Franco.



IN AUSTRIA, he signs a guest book at the reopening (Beethoven's *Fidelio*) of Vienna State Opera.



IN YUGOSLAVIA, also as the ranking U.S. visitor, Dulles and Marshal Tito down *slivovitz* toast.



STRAINED PORTRAIT of all four ministers (left to right, Pinay, Molotov, Macmillan, Dulles) was

made at a British dinner. Whenever possible Dulles ducked photographers while in Molotov's presence.

...AN IMPASSE IN SWITZERLAND

In the "acid test" of the Geneva spirit, as President Eisenhower had called the foreign ministers conference, the litmus of Soviet intentions last week turned a familiar, foreboding red. While Secretary of State Dulles visited some friends of the U.S. (left), Soviet Foreign Minister Molotov flew to Moscow for orders on three Western proposals: German reunification, Ike's mutual inspection plan (p. 170) and closer East-West contacts. The word he

brought back: cold, uncompromising contempt, not only for the proposals but for the Geneva spirit itself. Moscow had plainly returned—at least temporarily—to the rigid intransigence of the Stalin era. Dulles reflected a general Western attitude when he said, "I wonder again whether an agreement with the Soviet Union is worth much." By unmasking Soviet hypocrisy, the West had gained, but the climate for negotiation was badly chilled (see *Editorial*).



GLACIAL CLIMATE following Russian outburst against West's proposals shows on Dulles' face as

Molotov proposes a champagne toast. Occasion was luncheon given by Swiss President Max Petitpierre.



New Lift to Living from Frigidaire

In 1956, life is fashioned of brighter colors, more carefree hours.

For into your home come new companions to make living lighthearted. A Range that erases dull hours of watching and waiting. A Refrigerator that anticipates your needs and your moods. A Laundry Pair that frees you for leisure and learning. All of them styled with such sparkling new beauty your kitchen-laundry becomes the room you love to live in. All of them from Frigidaire and General Motors, traditionally first with products that give a Lift to Living.

New Lift to Living from Frigidaire



Brilliant!

*This convertible beauty
changes its color
to please you —
serves ice in a new
"dry-hands" fashion!*



Quicker than you can say quick, the new Ice-Ejector zips out cubes. Slide the tray into the slot—cubes drop into the storage bin. And you have no frosty, damp-hand feeling!



Cubes stay separate and solid, in this roomy storage bin. It holds 135 cubes with no sticking together, no trace of melting. So handy for Dad—and the whole family!

Suddenly, your whole kitchen is new! That beautiful, big Frigidaire Cold-Pantry, all pink and sparkling, makes the room glow. And you glow, too—proud as punch.

You love to see the Food Freezer below swing open (with a *touch* of your toe), just to gloat at the double freezer space. You like to say, casually—"Imagine, 168 pounds of food so frozen there's not even one mushy raspberry!"

You like to feel the Flowing Cold constantly circulating through the 9.5 cu. ft. refrigerator at the top. Who but Frigidaire could find a way to make foods more appetizing than the day you brought them home?

The most exciting thing of all is the way you're served. The full-width shelves roll out *all* the way, drawers glide out swiftly, Picture Window Hydrator tilts down right into your hands. And the storage plan is so wise, you wouldn't dream of doing your once-a-week shopping without checking, first, with each shelf and compartment!

Here is your full-time servant . . . the radiant new member of your home. Serving you swiftly, saving you hours for pleasure—giving you a new Lift for Living!

Cold-Pantry 143-56, in Mayfair Pink. Available also in Sheffield Gray, → Sherwood Green, Stratford Yellow or Snowy White.



New panels redecorate your refrigerator in a flash

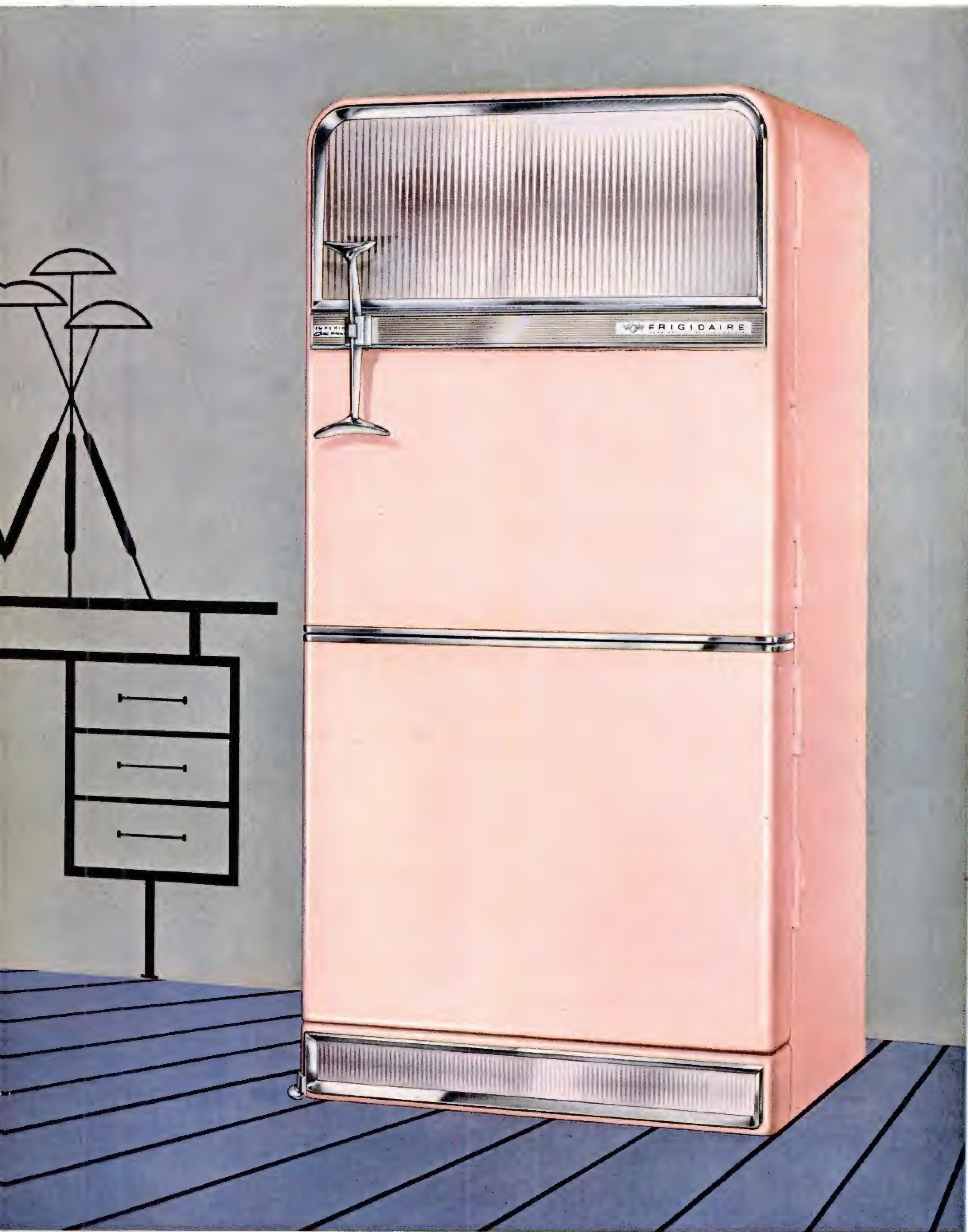
What a joy to change the looks of your refrigerator. You've a choice of colorful Decorator Panels that snap on and off. (Metal, for quick cleaning!) You'll create two-tone effects. Gone is the "set" look in your kitchen at last!

Frigidaire for '56

IMPERIAL COLD PANTRY

Built and backed
by General Motors





New Lift to Living from Frigidaire



Clean Magic!

*You can roast or broil
without smoke or
fumes—they vanish
in this range!*



The smoke and fumes of all oven cooking vanish like magic in the only range equipped with the Miracle Filter.

What fun to show off this beauty with brains! What lovely color! (You have *four* decorator colors and white to choose from!) And what beautiful behavior—the oven cooks without smoke or fumes—because of Frigidaire's exclusive Miracle Filter—but let the Frigidaire salesman explain about that.

And this range makes you a magician—its Thinking Top does so many unbelievable things! You'll rush your friends out to see it the minute they come into the house.

Imagine cooking oatmeal without stirring! You can do it because the Heat-Minder Unit watches the pan for you—never lets it get too hot. You'll find it practically impossible to burn anything. And you can always tell what heat you're using—on any unit—by a glance at the new Easy-View Controls.

Match the time it takes to make coffee on your new range with that of your neighbors. And when you win, be generous—admit *you* used the Frigidaire Speed-Heat Unit. Speeds up for a lightning start—then stays at whatever heat you pre-selected—without your lifting a finger!

Dazzle your friends by cooking dinner while you're all at the game or the movies—your Frigidaire oven turns itself off when dinner is done!

Give parties that set the whole town talking about your barbecued chicken—juicy and tender as only your automatic Rotisserie can roast it. You'll be glad you ordered this extra with your beautiful range! Makes you feel now you have everything!



Joy comes into your kitchen when you get a Frigidaire Electric Range! You're proud of its bright beauty—proud of its brains. And even prouder of what it makes *you* able to do for your family and your friends. There's a new Lift to Living when you own a new Frigidaire Electric Range!

Two-oven Frigidaire Imperial RI-70-56 in Sherwood Green. Also avail- → able in Mayfair Pink, Sheffield Gray, Stratford Yellow, and Snowy White.

Frigidaire for '56

ELECTRIC RANGES

Built and backed
by General Motors





New Lift to Living from Frigidaire



Perfectionist!

*Gives you
full load automatic
washing with the
piece-by-piece care
of hand laundering!*



Give that man a great big kiss! Look what he bought you—the new Frigidaire Automatic Washer and Electric Dryer, too! There they stand so bright and sunny yellow that the whole laundry seems lighthearted. *Fun to be in.*

You like to dial the washer switch, then watch for a minute as the Pulsator-Agitator starts the water all swirling and the clothes circling down and under and round again—constantly moving under water during washing and rinsing. You can actually see that Live Water flush out the dirt! But so gently, thank goodness.

Maybe it's mean to brag to the girls—but your clothes come out so clean. With less soap and water, too! That smart new dial (only Frigidaire's) never lets in a drop more water than a light or full load needs.

And who has to empty filter pans with this jewel? Not you! The water is cleaned automatically. And when it rinses it *lifts* dirt and lint up, out, and away from the clothes. Not down through them to hide in sneaky little creases. Then your clothes spin out lighter, drier in a Frigidaire. Everyone knows that!

Every time that big, beautiful washer starts you can just hear it hum, “*run along now, honey—I'll take care of everything.*” And you're free as a breeze to play with the baby, or gossip with the girls, or maybe do something that's just for *you*. A Lift for Living? Bless you, Frigidaire—*this is it!*

Porcelain Pair, in Stratford Yellow. Also available in Mayfair Pink, → Sheffield Gray, Sherwood Green, or Snowy White.

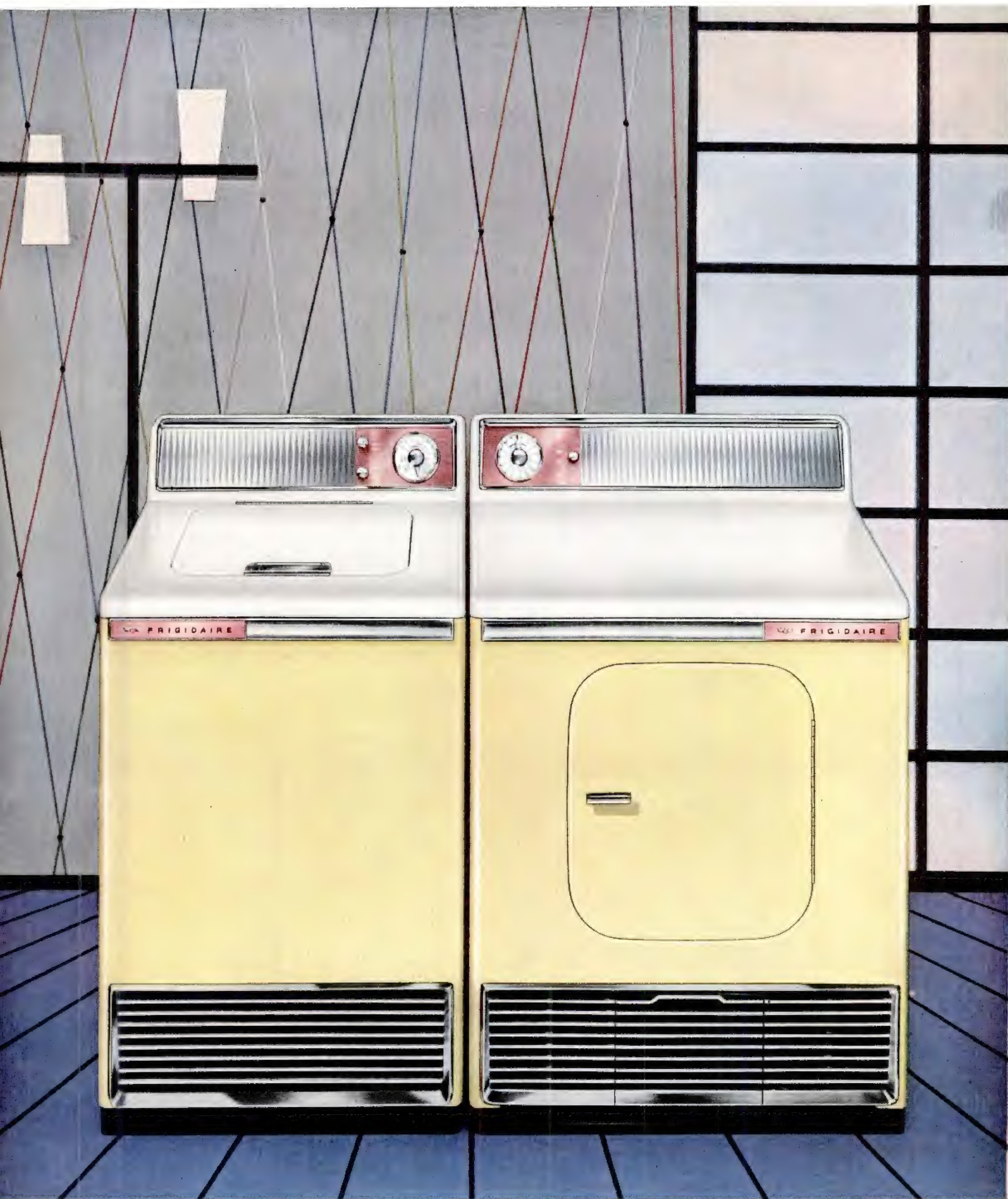
The new Control Ring, they call it. And how it controls bunching and hidden smudges! You watch it free the clothes one from another, so they wash separately, piece by piece. And you're reminded of the finest hand laundry. But this is without rubbing and wear. Then the Control Ring leaves clothes so free to lift out. This is the most wonderful of all—and only in your Frigidaire Imperial Washer.

Frigidaire for '56

AUTOMATIC WASHERS AND ELECTRIC DRYERS

Built and backed
by General Motors





FREE! \$100,000 IN PRIZES! Come to your Frigidaire Dealers' Gigantic "Free-for-all." You can win a complete "New Lift To Living Kitchen," or a new Cadillac convertible or any of 150 other great

prizes. You can win simply by telling us which new Frigidaire Appliance you like best and why. Prize contest begins November 16, Wednesday—ask your dealer for details!



Three fine whiskies you'll enjoy serving...

FOR PEOPLE OF INHERENT GOOD TASTE

Bonded Bourbon of Legendary Quality

The most vigorous, velvety-smooth whiskey you've ever tried! It has a wonderfully enjoyable taste—an authentic Kentucky flavor that's been a legend for generations. Full 100 Proof...it's the top quality premium Bonded Bourbon.



The mild Straight Bourbon of Cherished Flavor

Try this Kentucky Straight Whiskey that combines cherished Bourbon flavor with a pleasing lightness of quality. You'll find its taste delightful in both highballs and mixed drinks. 86 or 90 Proof.



The only Blend still patiently Wed-in-the-Wood

The only Blend we know of still put back in the barrel to "marry" after blending, instead of being bottled immediately. Its difference in taste is terrific! 86.8 Proof, 37½% Straight Whiskies 4 years or more old, 62½% grain neutral spirits.



GLENMORE DISTILLERIES Company. *"Where Perfection of Product is Tradition"* LOUISVILLE, KENTUCKY



PANTING IN THE HEAT OF NEW HAMPSHIRE'S AUTUMN, SLED DOGS PULL AN OLD FORD CHASSIS AND DOG TRAINERS TO TOUGHEN UP FOR THE ANTARCTIC EXPEDITION

OPERATION ANTE-FREEZE

With prefabs, pemmican and great pains, Navy gets under way to Antarctic

by MARY H. CADWALADER

THE telephone call to the Task Force Headquarters from Davisville, R.I. was urgent. Three hundred pounds of herring and squid had arrived without warning. There was no refrigeration available and the caller wanted to know if headquarters could locate some in a hurry or the air would shortly begin to get pungent. Meanwhile 12,000 pounds of sodium hydroxide, used to generate gas for weather balloons, had *not* arrived and had to be located. One expedition member was having trouble arranging by urgent cables with a New Zealand fish dealer for the purchase, stowage and timing of delivery of several tons of frozen red cod for penguin rations.

To add to the confusion at Davisville, the sled dogs on one icebreaker kept howling day and night. And there was the matter of buying six refrigerators for warming the food. Where the men at Davisville were going butter would keep perfectly well in the open, but it would have to be thawed in a refrigerator before being used; otherwise it would break a man's teeth.

Where the men were going was Antarctica. At Davisville, as at Boston and Norfolk, 1,750 volunteers had been assembling in seven ships, getting ready to set up the advance headquarters for a huge new Antarctic expedition. By this week all of them are scheduled to be on the high seas, bound south. Their expedition will be part of the preparation for a worldwide series of scientific studies to be made by 40 nations during the International Geophysical Year. During the year, which actually will last from June 1957 to December 1958, scientists will make observations simultaneously all over the world, and the nearly 30 camps to be established in Antarctica will form a major sector of the globe-girdling network of sighting stations.

When the Antarctic studies are completed, the scientists hope to have some answers

to these questions, among hundreds of others: how much does the world's weather depend upon the huge Antarctic low pressure area? Is the ice cap really as much as two miles deep in places? Can radio static be circumvented?

This year's American expedition was preceded by the cruise of the Navy icebreaker *Atka* which early last year surveyed the Antarctic coastlines (LIFE, April 11). In turn, the present expedition which is being organized by the Navy is an advance operation for the big one which will follow in 1957. As one of the party explained, "The Seabees go now and build camps, the stargazers come later." One U.S.

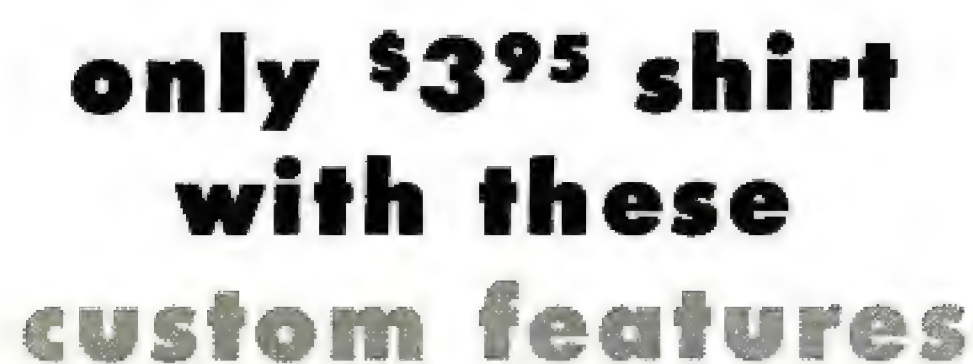
camp will be built at the south geographic pole. But there are almost enough poles to go around among the other participating nations. The French will build at the south magnetic pole. The Russians, besides having a camp at the geomagnetic pole, also intend to have one at the remotest spot on the continent, named the "pole of inaccessibility."

Setting up the advance guard on Antarctica has been the job of Rear Admiral George J. Dufek, who was called out of retirement to command the task force. He knows the frozen continent well; he has been there twice, both times with the over-all officer-in-charge, Admiral Richard E. Byrd. On one of these trips Dufek was dropped into the Antarctic Ocean while transferring to another ship. For seven minutes he floated, rapidly growing numb and blue, realizing that a man is supposed to freeze stiff in that water in eight minutes. When he was pulled out, he could not move his arms or hands. "They thawed me out in a shower," he recalls, "but it was 25 minutes before I stopped shaking."

In planning this expedition the admiral has had one headache after another. At one point during the preparations Canada's de Havilland Aircraft Company went on strike



EXPEDITION LEADER, Admiral George J. Dufek, is veteran of the Antarctic, has been there twice.



Wings
KURZE & FAY
FELDEN, Germany

YOUR
GUARANTEED
Airplane Cloth Collar and Cuffs
Wings
SUPERFORT SHIRT

THE GUARANTEE POLICY
Airplane Cloth Collar
and Cuffs guaranteed
to satisfy the shirt
to be new superior shirt
FREE

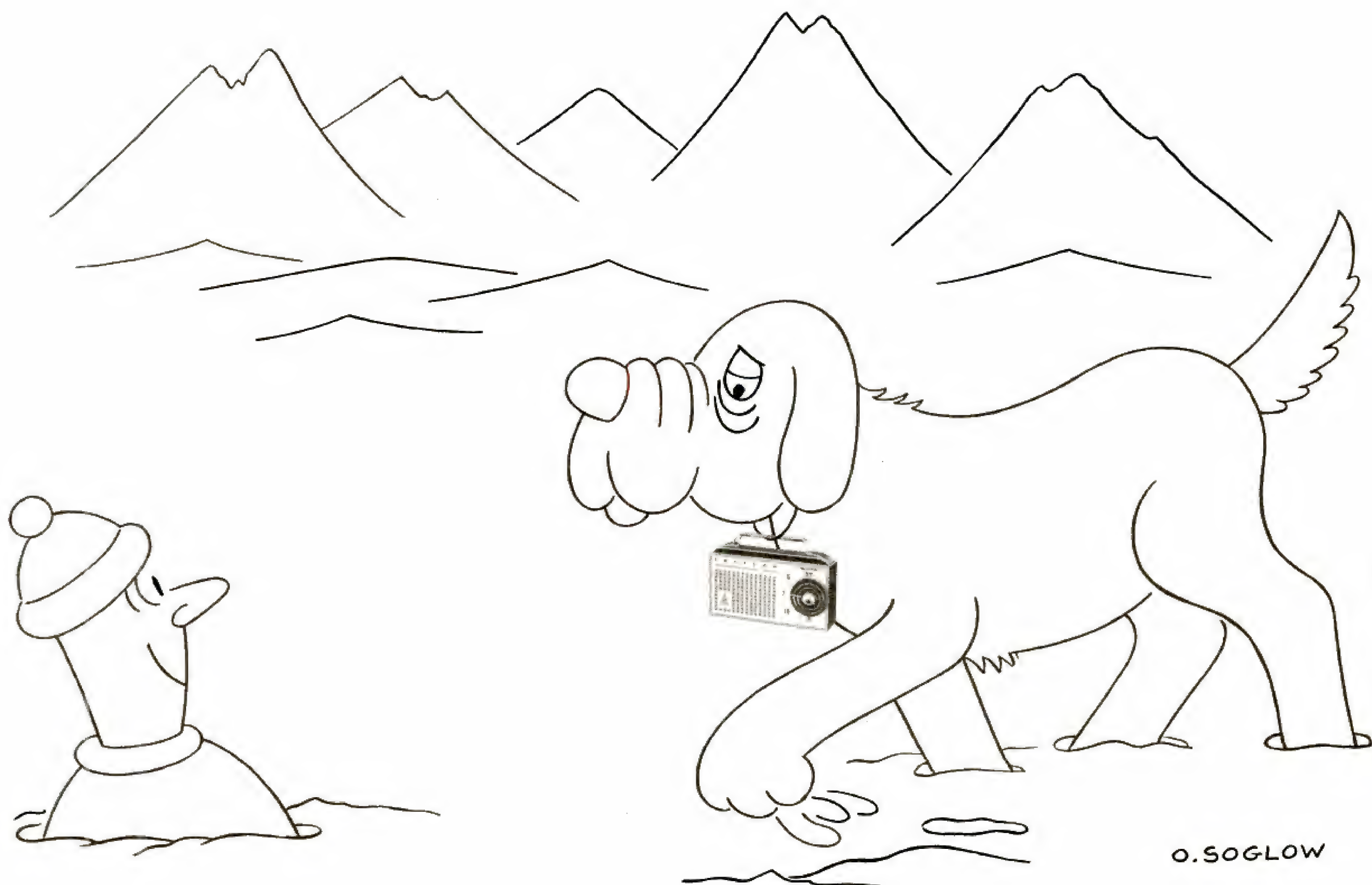


WINGS 4 West 33rd Street • New York 1



Among the standard items are some odd necessities. Wooden

CONTINUED

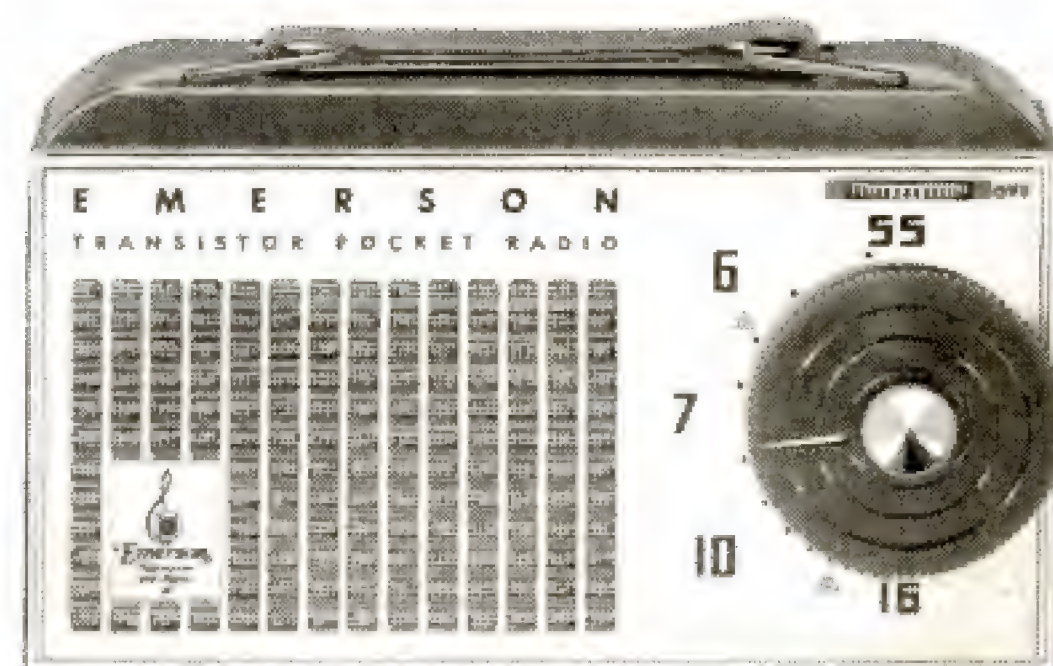
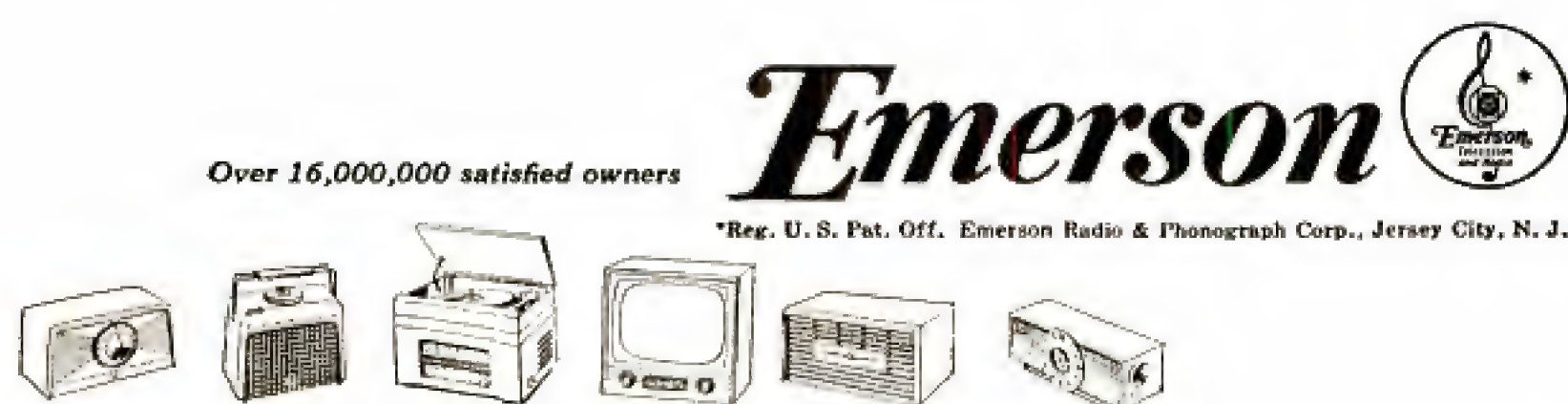


Wherever you look...there's Emerson

Snowbound...or wherever you're bound...a man's best friend is the tiny 1956 Emerson Transistor Pocket Radio® Model 838. Here's peak performance in music and fun—for this midget marvel performs in the grand manner...full toned, smooth, with volume enough (if turned up) to shake the icicles off a glacier. You can hear it over 300 feet away! It's the world's first Pocket Radio® now equipped with truly

remarkable, tiny transistors that never burn out. Emerson combines transistors and sub-miniature tubes for richer sound, more volume than any set of comparable size.

Slips into pocket or purse...light as a feather...batteries last up to ten times longer. Wide choice of colors. \$44 with batteries. *And wherever you look...look for Emerson TV, radios, phonographs, air conditioners.*



Tiny: 6 in. wide, 3½ in. high, 1¼ in. deep. Weighs about 16 ounces.



Come aboard —
rare pleasure ahead...

in Canada too!

Listen! Paddle wheels splashing through rippling moonlight... soft strains of Dixie... tinkling glasses... "Southern Comfort." Discover for yourself this rare adventure in drinking. Down through the years its popularity continues to grow, for one reason—no other liquor tastes so deliciously different.

The finest taste of the Old South lives on in...

SOUTHERN COMFORT® *Always a welcome gift*

IN HIGHBALLS, COCKTAILS, OR ON-THE-ROCKS...MAKES DRINKING A REAL PLEASURE!
SOUTHERN COMFORT CORPORATION 100 Proof Liqueur—St. Louis 3, Mo.

Another sterling performance for the

Austin-Healey
100



**2,162 miles in 40
consecutive hours!**

At 11:30 P.M. October 9th, millions of NBC "MONITOR" program listeners heard the close of a new chapter in motoring history, as Lee Donahue completed 40 grueling hours in his stock Austin-Healey 100.

Top speed—102 mph... Average, including stops—54 mph...
Mileage—29 mpg... Conditions—miserable to fair!

The Austin-Healey 100 is a product of THE BRITISH MOTOR CORPORATION, LTD.,
Makers of MG, AUSTIN-HEALEY, MAGNETTE, MORRIS, AUSTIN and RILEY CARS.
Represented in the United States by

hambro AUTOMOTIVE CORPORATION
27-29 W. 57TH ST., NEW YORK 19, N. Y.

Sold and serviced by a nationwide network of distributors and dealers.

**THE NEW 1956 AUSTIN-HEALEY 100 FEATURES A FOUR SPEED GEARBOX
WITH OVERDRIVE. ASK YOUR AUSTIN DEALER FOR DETAILS TODAY!**



PEMMICAN EXPERT Sigmund Gutenko of the expedition kneads the 26 ingredients of his new "pemmican meat bar" to the proper gooey consistency.

OPERATION ANTE-FREEZE CONTINUED

forks and spoons are provided for crews who must work and eat in the open; metal utensils would tear shreds of skin from their lips and hands. Pressure cookers are included so that food can be cooked on the 10,000-foot-high South Pole plateau. At this altitude water's boiling point is 194° and it could boil all day without cooking anything. The eggs are canned raw and without shells, a considerable scientific feat in itself. In camp everyone will have butter, but on the trail margarine will be standard issue because it spreads at lower temperatures. For purposes of morale, birthday cake decorating sets are being carried along; so are two six-foot Christmas trees, complete with tinsel and baubles. There will be an ample two-year supply of beer.

A key man in the business of victualling the task force is Sigmund Gutenko, a retired Navy chief petty officer who is probably the nation's outstanding expert on pemmican, the food which American Indians made out of pounded buffalo meat, fat and berries. Gutenko went with Byrd to the Antarctic in 1939 as a cook, got interested in formulas for emergency rations and has studied the problem ever since. He spent this summer in his shop in Baltimore—"It's a little bakery I took over for this job, so clean it makes you think of an operating room"—and produced a new pemmican meat bar. It consists of vegetables, cereals and fats, but its exact recipe is a military secret.

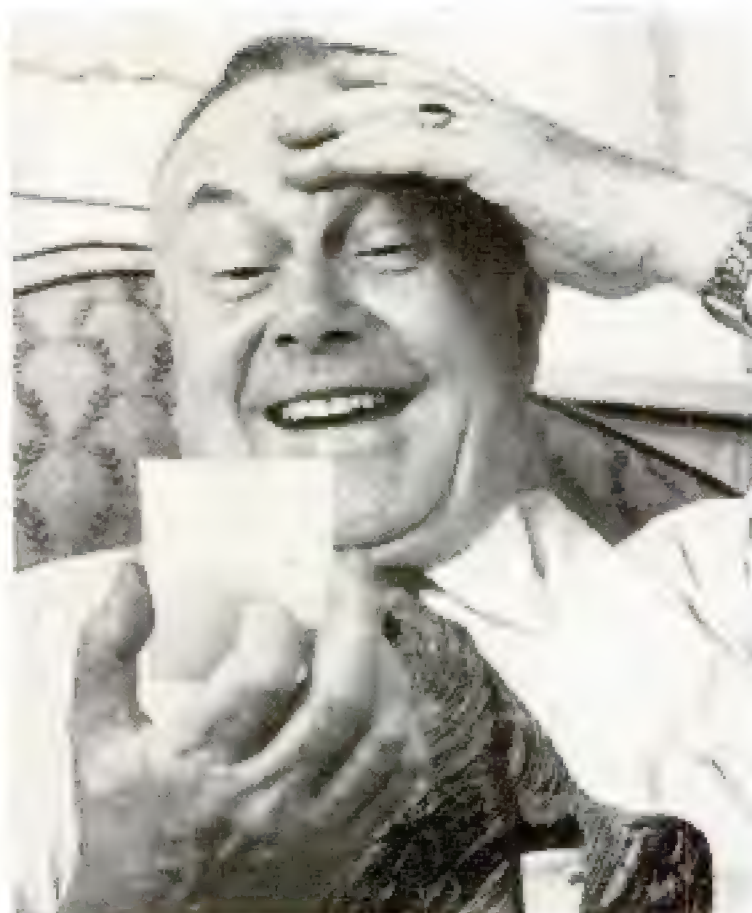
"Out on the trail in that climate," explains Gutenko, "activity is dehydrating and dehydration causes constipation. Also, the men want to travel light. So I make this trail ration and it's like nothing else in the world. For the pemmican I collect 26 different things from all over. No fruits or sugar. I use things like soybeans and suet from the best beef kidneys. Takes me a month to get the foods together and then another seven weeks to make up a batch. My wife and I measure it off in milligrams and even micrograms, and we mix it in stainless steel mixing bowls. Some of the foods are predigested—that is, partly broken down by bacteria action. That's to give a man a high caloric intake and let him keep it. With ordinary food you can eat 5,000 calories and use up half that much in the body's efforts to digest it."

The toughness and taste of traditional pemmican have become so notorious that Gutenko prefers to call his version a "polar trail ration." A 15-ounce bar about the size of a pound of butter and bursting with 2,600 calories is an ample day's fuel for an active man. Half a bar would keep him going if he were quiet—"like sitting by a plane waiting for help," Gutenko explains. Because machine processing would squeeze out too many vital fats, the 9,000 meat bars had to be made up by hand, even to the wrapping in parchment, Pliofilm and cardboard, and the final packing in wooden boxes.

CONTINUED



SNOOZING GRANDPA is caught by camera as he sleeps off huge meal.



60 SECONDS LATER, he sees napping picture, enjoys joke on himself.

60-SECOND CAMERA ADDS SPICE TO TRADITIONAL THANKSGIVING DINNER

Picture-taking produces laughs and great snapshots, too

Next week, families all over the U. S. will gather to feast on turkey, trimmings and family gossip in what is perhaps the most typically American celebration. At many of those gatherings, a typically American invention will be on hand to record the festivities: the remarkable Polaroid Land Camera that produces a finished print in 60 seconds. Over half a million Americans, impatient with waiting for their pictures from the local drug store, have bought the camera that automatically prints its own pictures.

Although nearly everyone has heard of the camera's remarkable feat, few non-owners realize it is a fine photographic instrument with a precision lens and shutter speeds to 1/100 of a second. A new high-speed panchromatic film recently introduced makes it possible for even amateurs to take studio-quality portraits, breath-taking landscapes, brilliantly detailed snapshots even in poor light—and get the finished prints in 60 seconds. The Howard Woods of Briarcliff, N. Y., show here what one afternoon of fun with the Polaroid Land Camera can produce for the family album.

WIDE-EYED SUSIE WOOD WATCHES DADDY LIFT PICTURE OUT OF CAMERA



READY TO GO INTO ALBUM, each finished picture was enjoyed by whole family together 60 seconds after snapping. Family voted wishbone squabble picture the favorite, Dad carving close second. Plan is to keep album up to date with pictures of every special get-together. Christmas is next. Wood bought his Polaroid Land Camera last year, paid for it at only \$1.19 a week.



FIRST TIME GROUP SHOT WAS TAKEN, baby hid her face. Photo was reshot and now you can see everybody. Even hard-to-get poses of youngsters become routine when children know they'll see the picture right away. New film picks up detail necessary for enlargements. Pictures last, like any fine prints.



ADVERTISEMENT: copyrighted by Polaroid Corporation, Cambridge, Mass.



Musical Pleasure for Luxurious Leisure...



Recorded music to match your mood, flawlessly played by the Voice of Music, brings added pleasure to your leisure moments. There is a V-M model to give you exactly what you want in styling, luxurious convenience features, tonal richness and price. Superior quality is yours with any of the twenty-four Voice of Music instruments from \$16.95* to \$199.95.* Enjoy a V-M demonstration soon.

**SPECIAL DIAMOND NEEDLE OFFER
FOR MOST V-M
MODELS. ASK YOUR V-M DEALER.**

Look for McCall's
"Use-Tested" tag
on V-M models.

**USE-TESTED
by McCall's**

- 1** Fabulous Model 560 'Fidelis'® high fidelity table model, with tone-o-matic. Blonde or Mahogany, same price, \$149.50.* Walnut and Ebony slightly higher. Legs (black or brass finish) with record shelf, optional.
- 2** Deluxe Portable Phonograph with adjustable tone chamber to let you adjust tone quality to acoustics of any room. 4-speed changer. Choice of 2-tone brown or gray leatherette. Model 1275, \$79.95.*
- 3** Famous V-M tape-o-matic® tape recorder has features not found even on expensive recorders! Simple push button controls, professional quality recordings. Modern 2-tone gray styling. Model 700, \$179.95.*

* Slightly higher in the west.

V-M CORPORATION • BENTON HARBOR, MICHIGAN

WORLD'S LARGEST MANUFACTURER OF PHONOGRAPHS AND RECORD CHANGERS



STOWING SLEDS is done in Davisville, R.I. The sleds will be used with light tractors by a special group which will try a 500-mile dash inland to set up camp.

OPERATION ANTE-FREEZE CONTINUED

What does Gutenko's improved pemmican meat bar taste like? It was put to a full-fledged test recently at a dinner for the task force officers given in the Virginia home of one of them. Some discreetly compared it to peanut butter or pea soup and liver paste. One officer with supreme tact said simply, "It's a flavor you never forget."

The two main bases for this advance party will be at already famous Little America and at McMurdo Sound, 450 miles away. Little America will be the main camp, while the McMurdo Sound area will be converted into an airstrip for next year's polar flights. Quarters will be 20 by 48 feet with private bedrooms for each inhabitant and hot-air heat to keep them at 70°. Snow melters will furnish hot showers; generators will furnish electricity. All buildings will be made of double plywood panels separated by four inches of Fiberglas insulation. They will be held together by interlocking clamps so that no metal nail or bolt need penetrate the walls and carry off precious heat. Recently the Seabees borrowed the cold room of the Army's Detroit Arsenal, put the temperature down to 65° below zero and practiced building a whole Antarctic barracks just to make certain that the panel method worked. It did.

The 10-foot-high buildings will be braced on trusses on top of flat timber foundations—a raftlike arrangement to keep the houses from sagging into the snow as it melts under them. Since no one yet knows how much snow will fall at Little America, no one is sure how deep the buildings may be buried by July, but drifts will probably be above the roof tops. Life in the Antarctic night will be lived under snow, but the Plexiglas domes of the tall "air glow" tower will poke above the snow and give a fine view of the aurora australis, the southern lights.

Although Antarctic weather makes flying perilous, much of the expedition's success will depend on planes. Fifteen planes, plus seven helicopters carried on the ships, will be used this winter for communications between the two camps, aerial survey and mapping, and rescue work if necessary. If all goes well at the McMurdo Sound airstrip (*see map, p. 64*), big transport planes will be used next year to drop supplies and men for the camp to be established at the South Pole. The McMurdo runway will be within sight of 13,202-foot Mount Erebus, a smoking volcano that should be useful as a beacon.

Pilots have been warned of the dreaded "white-out," a condition sometimes caused by powerful sunlight on a bright but overcast day. Light particles bouncing back and forth between a snow

CONTINUED

Just 16
coins buy
a **TIMEX**
waterproof*
watch...

**WATERPROOF* • SHOCK RESISTANT •
DUSTPROOF* • ONE YEAR GUARANTEE**

There's no over-pricing on Timex.
Only \$12.95—less than the tax on some costly
watches—is all you pay for a Timex
Waterproof Marlin. Yet it gives you everything
you could want in a watch. Handsome
styling, precision accuracy and sturdy durability.

Timex is true value.

**The Timex Marlin is engineered to withstand 35 lbs. waterpressure,
the equivalent of an 80 foot depth in water...stays waterproof and
dustproof as long as crystal, crown and back are intact and,
if removed, expertly replaced.*

More people buy *Timex* than any other watch in the world.

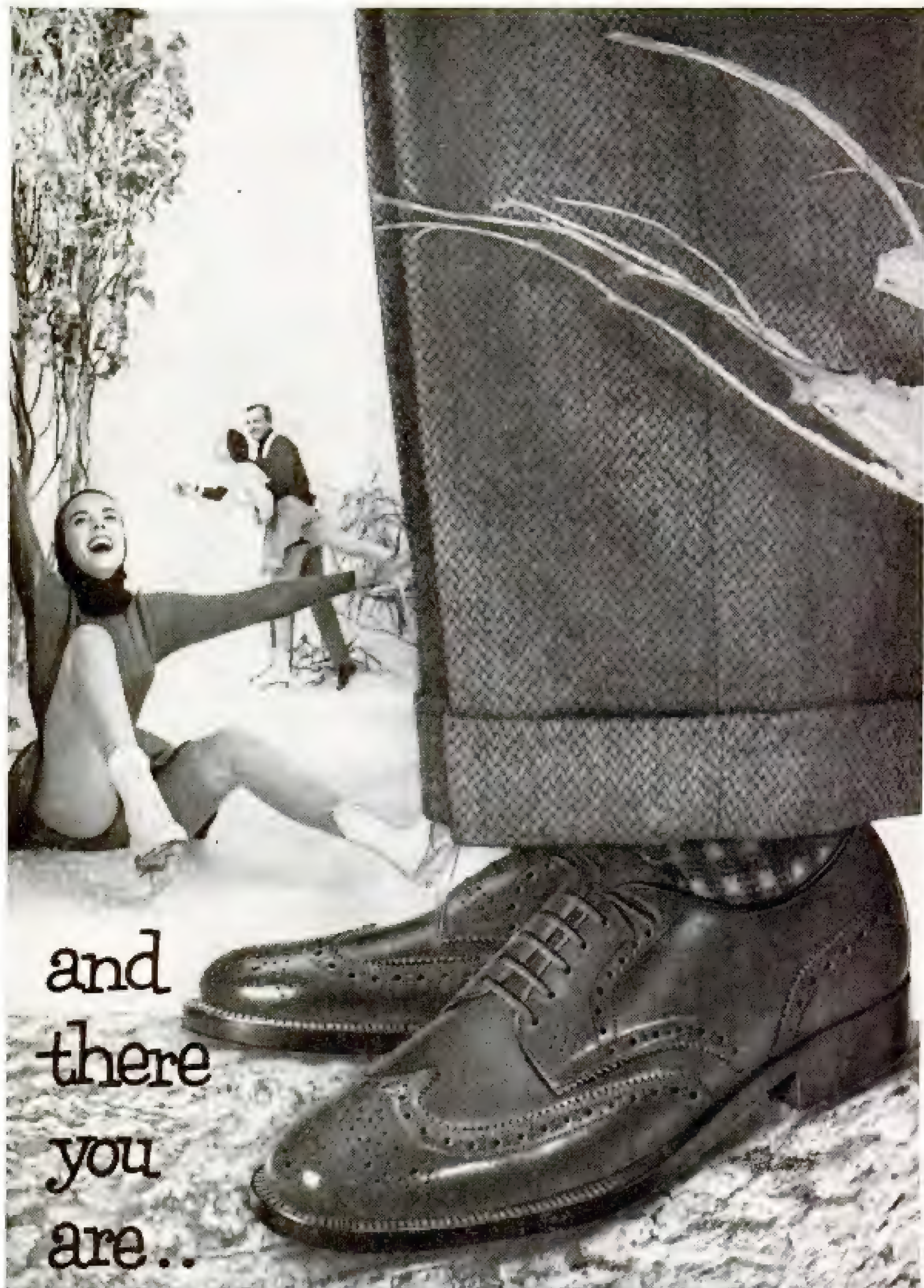
TIMEX

500 Fifth Avenue, New York 36, N. Y. Made in the United States, Canada and Great Britain



\$12.95
PLUS
TAX

TIMEX MARLIN
Sweep second
hand, radiolite
dial, chrome case,
stainless steel
back and flexible
expansion band.



and
there
you
are..

in
famous

Bostonian Winterproofs

#544—Ardmore Wingtip Blucher Oxford,
Gunstock Llana Calf, Sta-Flex Construction.

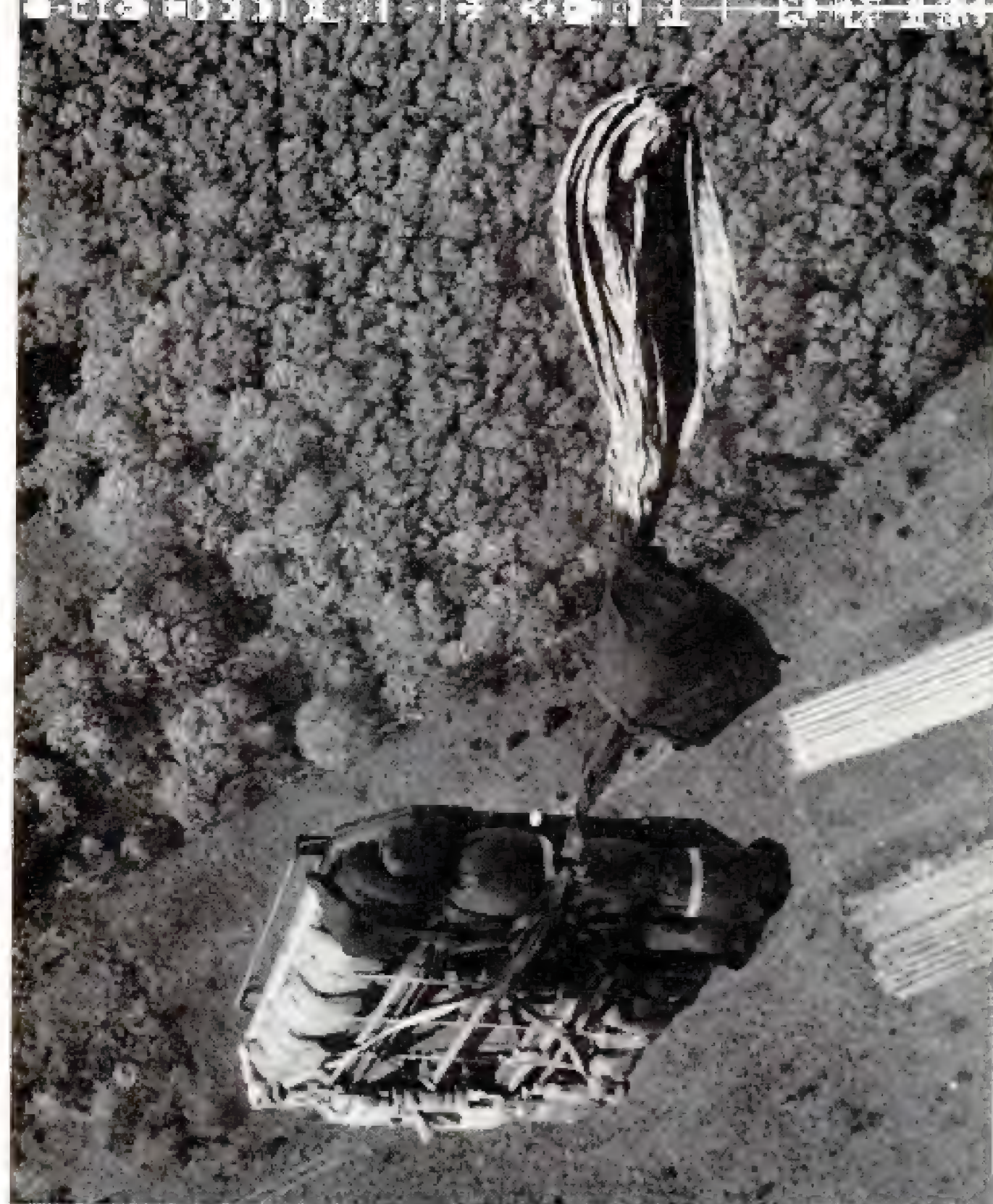
The temperature drops—there's snow in the air. That's when Bostonian Winterproofs are especially well worth wearing! For, there's no bad weather allowed inside these rugged, easy-fitting shoes! Your feet are protected by Winterproof leathers, sealed to keep you dry and warm. For looks, take a look! Indoors or out, Winterproofs are in style because Bostonian[®] craftsmanship is sewn right in. Give Bostonian Winterproofs the weather test today! You'll enjoy winter and comfort. Most styles \$17.95 to \$25.95

#5423—Tropic Plain-toe Cordovan (Dark Cherry or Black).



#6779—Admiral Blucher Oxford, Sealed Welt.
Full Leather Lined. Brown or Black Brevitt.

©1955 Commonwealth Shoe & Leather Co., Whitman, Mass., Shootown, U.S.A.



BUILDING GOING DOWN floats to ground in test parachute drop of prefab barracks in Rhode Island. Task force plans to paratroop some supplies also.

OPERATION ANTE-FREEZE CONTINUED

field and a low cloud ceiling can create a strange white world without terrain features or horizon. "It's like flying inside a bottle of milk," one pilot described it. A man in a white-out cannot tell up from down or sky from snow and must fly entirely on instruments.

The task force includes two doctors and a dentist. But most of their work will be surgical; the Antarctic is too cold for most germs to survive. Of the 1,805 expedition members, all but 120 will return in February when winter sets in. The 120 who remain behind will continue to make preparations for the scientists and will get an early start for the inland bases when the weather lets up next fall. These men will have to be strong in mind to withstand eight weary months of monotony inside their caves of snow. Music, cards, books, games, puzzles, boxing gloves, dumbbells, medicine balls and even material for correspondence courses have been provided. The expedition also has 500 movies, including some donated by Walt Disney, on the subject of wildlife.

"Cabin fever—the clash of bored personalities—is a thing we don't talk about much," says Captain Richard Black, who has spent two winters in Antarctica, "but it's a very real thing. I sometimes think the most valuable attribute a man can have down there is the ability to know when it is time to take a particular phonograph record from the collection and drop it on the floor—hard."



BUILDING GOING UP is constructed in cold laboratory in Detroit at 65° below zero to make sure prefab sections will fit together in low temperatures.

ADMIRAL WINTER

Celebrating Admiral's 5

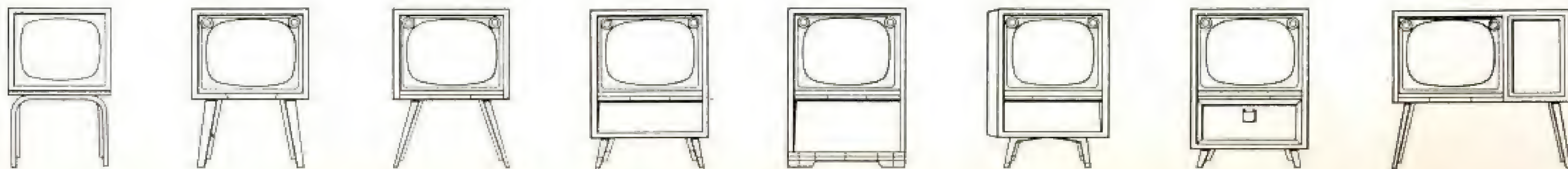
TOP
FRONT
TUNING



WONDER BUY #1—Giant 21" TV only \$169.95* including \$14.95 matching decorator stand!

Winter's coming with the brightest TV entertainment of all the year! And just in time for the season's best in programming comes Admiral with television's best buy of this or *any other* season. It's the beautiful new Giant 21" *Brentwood*—in enduring high-style charcoal finish—complete with stand!

Imagine at this low price such true luxury features as *Top Front Tuning*—no stoop, no stretch, no strain! And Giant 270 square inch picture tube—*aluminized* to give twice the brightness and contrast. Plus the exclusive *Optic Filter Screen* that brings out picture detail with greater clarity and crispness while eliminating glare. All this and a smart matching stand—*at no extra cost!* Available also in grained mahogany or grained blonde finishes for any room setting.



I get lost in wine cellars," says Dagmar



All I know is Virginia Dare Wine sure tastes good!"

"DUMB BLONDES aren't the only ones who get lost in the middle of the hocus-pocus about fancy wines. Most people are just interested in finding a wine that *tastes good*. And I found it years ago—good Virginia Dare Wine.

"My friends enjoy the good taste of Virginia Dare Wine, red or white. So I try to keep a bottle of each in the house because, after dinner, most everyone likes a glass of Virginia Dare. It sure tastes good."

Dagmar speaks for a lot of down-to-earth Americans in expressing her feeling about Virginia Dare Wine. We're

proud to have Dagmar feel the way she does about our product. And we'd be pleased to have you join her as one of the millions of Americans who drink Virginia Dare Wine just because "it sure tastes good."

Serve it again
VIRGINIA DARE
WINE
 GARRETT & CO., INC., N. Y.





NO SEAMS TO WORRY ABOUT!
SEAMLESS STOCKINGS BY *Hanes*

HANES HOSIERY INC. • 350 FIFTH AVE., NEW YORK • \$1.35 TO \$1.95 AT LEADING STORES

Now New, Improved MUSTEROLE works faster to break up chest cold congestion!

Wonderful news for cold sufferers! New, Improved Musterole now has a new special ingredient that gives rapid relief to the discomfort of painful, inflamed tissues of a chest cold!

Just feel the surge of this greater, deeper, speedier relief when you rub on New, Improved Musterole! Now, its exclusive formula gives you even quicker results than before! Its amazing pain-relieving ingredient works faster to help unkink stiff and sore muscles. It helps reduce swelling and inflammation, has deeper action for speedier results.

Its comforting permeating heat helps break up acute upper bronchial congestion. Its vaporized heat—medicated vapors that rise from the chest—helps loosen localized nasal and throat congestion!

New, deeper-acting Musterole feels like a sunny poultice on tight chest, throat and back. Its special kind of relief goes to sore muscles, feels as if it's "baking out" those aching muscles of a cold. Although Musterole now has a new ingredient, it costs you no more!

The only rub in three different strengths: Child's Mild for kiddies, Regular for adults, Extra Strong for severe cases — all new, improved! Musterole has been recommended by many doctors for years! Get New, Improved Musterole today. Stainless!

ESHELMAN ADULT SPORT CAR Model 6 HP
WIN THIS CAR FREE
70 MILES PER GAL. GAS
Write for entry blank and literature.
ESHELMAN, Dept. MC-211B
105 Light St., Baltimore 2, Md.



it's EASY! Refinish hundreds of items AT HOME • AT THE SHOP • IN THE OFFICE

DUPLI-COLOR SPRAY ENAMEL
PERMANENT RED

Beautiful DECORATOR COLORS
CLOG PROOF SPRAY HEAD

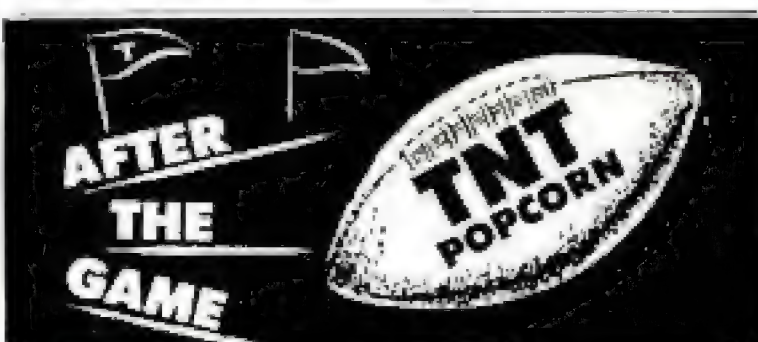
98c 4 OZ.
\$1.69 13 OZ.

At Leading Paint, Hardware and Department Stores



FOR GRAVIES, SOUPS, MEAT DISHES

1. DEVELOPS NATURAL FLAVORS with its Monosodium Glutamate.
2. SEASONS with its vegetable juices.
3. BROWNS with its caramelized sugar.
4. GIVES "CHARCOAL BROIL" effect brushed on meats before cooking.



Break in Sound Barrier CONTINUED

hastily redesigned it to the shape shown on page 147. The F-102A only zoomed through the sound barrier but, with its new shape, was more than 100 mph faster than expected.

When the news spread, Grumman engineers reshaped the F-102. Chance Vought redesigned the F-8-U, and today every supersonic plane on U.S. drawing boards conforms to Area Rule. Almost overnight Whitcomb became a hero in the aviation world and has won the coveted Collier Trophy, which will be presented to him next month.

Whitcomb has spent most of his young life getting ready for his discovery. Even when he was 12 he was at work in the cellar of his home in Worcester, Mass., redesigning his rubber-band-powered model airplane to fly better. All through school, while other boys played ball and chased girls, young Whitcomb tinkered away. At Worcester Polytechnic Institute he designed a bomb with a heat-sensitive device in its nose to guide it to the target. Later at Langley he discovered that one of their hush-hush projects was a heat-guided bomb just like his.

For all his interest in planes, Whitcomb never felt any desire to fly. Once a friend took him up in a light plane. When they got back Whitcomb was pale and shaking. But at Langley he quickly made his mark. In 1944, a year after he arrived, he suggested swept-back wings. In the overworked lab shelved the project and the swept-back wing was developed elsewhere. When the world's first transonic wind tunnel was built at Langley, Whitcomb at last had an experimental setup in which he could achieve his breakthrough to Area Rule.

The discovery has brought about a kind of personal breakthrough for Whitcomb. Lately his associates have noticed that the former staid scientific recluse has been dressing up in natty gray flannel suits and squiring the girls. But his aeronautical intellect is still preoccupied. His latest notion, a resurrected boyhood dream, is for a vertically rising airplane with no wings and an engine without moving parts. "If I'm successful," he says, "everyone will be able to fly." They may even include Richard Whitcomb.

—CLAY BLAIR



AIR PRESSURE PATTERNS around a plane model under test are studied by Whitcomb on a manometer, a rack of glass tubes which measure by different levels of liquid within them the varying pressure along the model's surface.

ARMSTRONG Only Snow Tire with a KNOCK-OUT PUNCH FOR SKIDS!



ARMSTRONG'S *"Ounce of Prevention"*

**Safety Discs give greatest
skid protection ever!**



Just like the edges of your fist, tread ribs of ordinary tires tend to compress into a smooth and slippery surface under brake pressure. This pressure causes the tread to lose its grip on the road — *and you skid!* Icy, snowy roads become death traps.



With Armstrong Snow Tires, patented interlocking tread *can't compress! Can't squeeze together.* For, just like your fingers when you put rubber discs between them, "Ounce of Prevention" discs keep the gripping edges apart. You get **43% more traction.** Tread *can't* lose its grip on icy or snow covered roads . . . thus preventing dangerous skids!

Only Snow Tire that rides silently even on dry pavement!

NO DRONING — NO MOANING — NO GROANING

Only snow tire with
interlocking tread...

gives up to
**43% MORE
ROAD-GRIPPING
TRACTION**

Amazing new Armstrong Silent Storm King Tires protect you and your family as no other tire can, from *skids* — the *major cause* of tire failure accidents.

This new tire has been tested for traction, total mileage, stability and riding comfort against *every mud and snow tire* available to you today. *None came close on any count!*

Armstrong gives you safer, surer grip on packed snow and ice . . . up to **43% higher traction** in deep snow than any other tire. Armstrong gives you almost *twice* the tire mileage!

Armstrong's engineering experts have eliminated annoying road noises present in *all* other snow tires. Silent Storm King Tires are so *silent* you can leave them on your car *all year 'round!* You can talk to back seat passengers without raising your voice.

Visit your Armstrong dealer today. Find out how little it costs to drive worry-free in *any* kind of weather.

**Armstrong Silent Storm King Tires Carry
The Usual ARMSTRONG LIFETIME ROAD
HAZARD UNCONDITIONAL GUARANTEE!**

ARMSTRONG *Silent Storm King* TIRES

TUBELESS AND REGULAR

MAKERS OF ARMSTRONG PURE FOAM FOR FURNITURE AND BEDDING, HOME OFFICE WEST HAVEN, CONNECTICUT

For a happy change
to a lighter highball,
cocktail or straight drink.

CORONET V.S.Q. BRANDY



BRANDY DIST. CORP., 350 FIFTH AVENUE, N.Y. 1, N.Y. • CALIFORNIA GRAPE BRANDY • 84 PROOF

Break in Sound Barrier CONTINUED



AERONAUTICAL INNOVATOR Richard Whitcomb crouches in wind tunnel with supersonic plane model whose pinched waist, long nose, obey Area Rule.

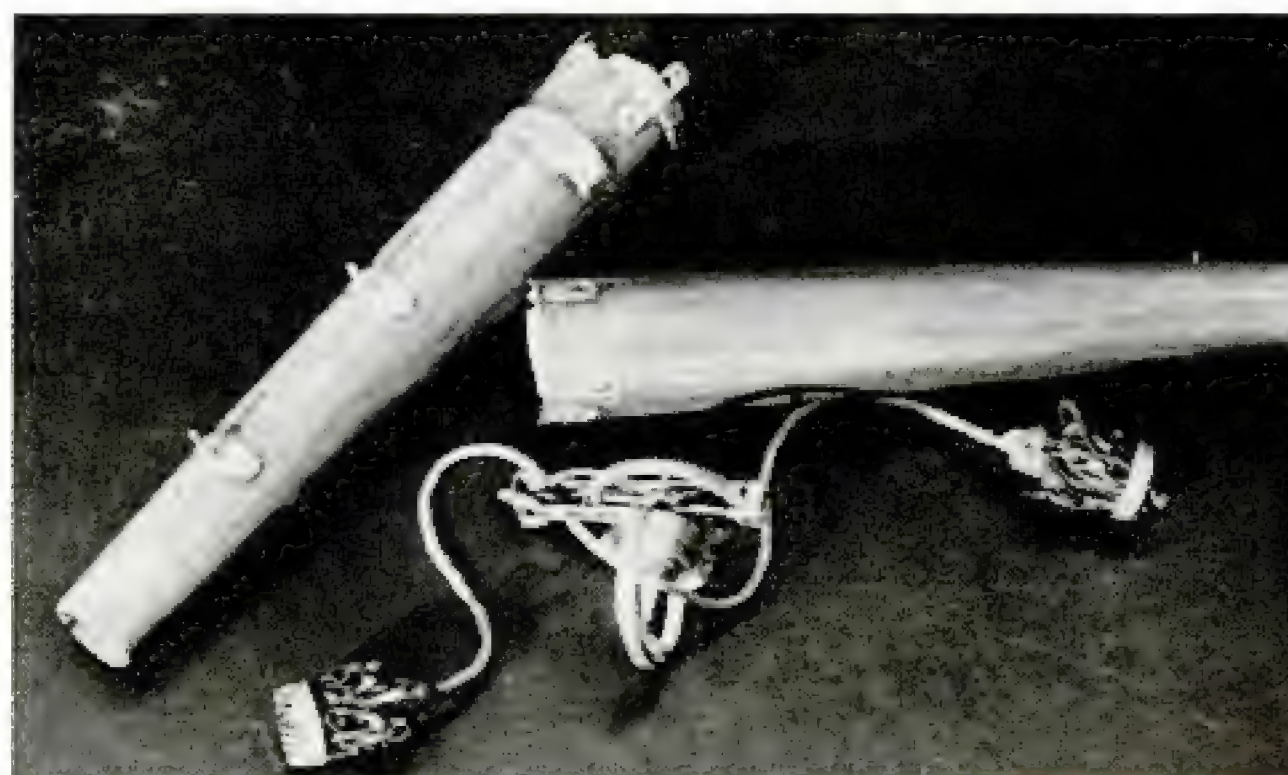
HOW THE BREAKTHROUGH CAME FROM TINKERING WITH TOYS

Working as an engineer at the National Advisory Committee for Aeronautics laboratory at Langley Air Force Base, Richard Travis Whitcomb in 1951 found the answer to a question which had baffled designers: why their supersonic planes hardly ever flew as fast as they were supposed to. The reason, Whitcomb found, was because they were wrong in predicting the total drag on a plane. They arrived at the figure simply by adding up the drags on the plane's parts, like wing, engine nacelles and fuselage. After months of shock wave tests in the laboratory's new transonic wind tunnel, Whitcomb found that the drag on any part differs, depending mainly on where it is located and what other parts are near it. It is this relationship which must be computed in any determination of a plane's total drag.

Whitcomb incorporated his ideas into an ideal shape for a supersonic plane. When he compared it to existing planes, like the F-105, he saw why they had drag trouble. They violated what he called the Area Rule. The basis of Area Rule concerns the areas of cross section of the plane. If these areas have the proper relationship to each other, they will obey the rule and the resulting design will have a minimum of drag. Whitcomb took models of actual planes and redesigned them, giving wasp-waisted fuselages to some, putting bulges in others. The drag was reduced in some cases as much as 25%.

Whitcomb's views were coolly received at first by the aviation companies. But when the F-102 in actual flight stuck at the precise point in the transonic zone that Whitcomb had predicted, Convair engineers

CONTINUED



CHILDHOOD PROJECT was a system of gears and stretched elastic to provide power to his model plane. The contraption was so heavy plane would not fly.

SKIL GRAND PRIZE CONTEST

HURRY!

Win Your 1956 FORD!



...or one of many other
valuable prizes

\$1,000.00 in Cash

Amana Freezer

Bendix Duomatic Washer-Dryer
and 100 other valuable prizes

Contest Closes November 26, 1955

Just Tell Why You Like These SKIL Tools

Easy to enter!

Easy to win!

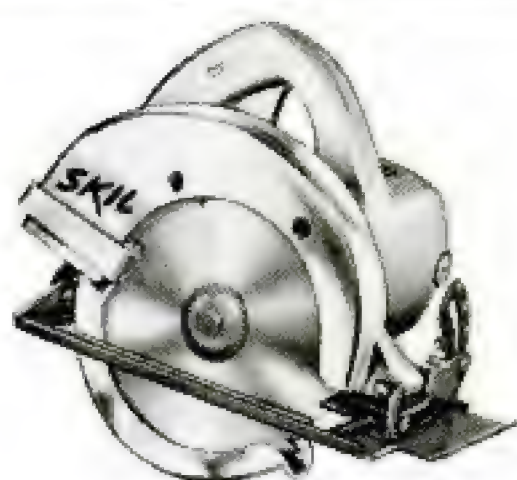
Nothing to buy!

1. Ask your hardware or building supply dealer for a SKIL official entry blank with contest rules.

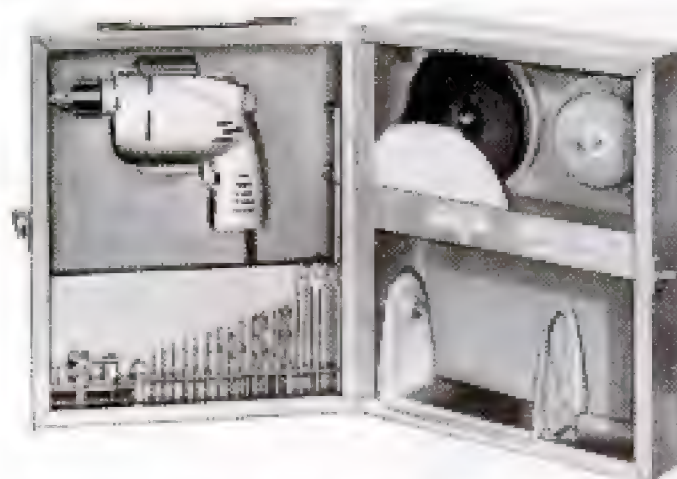
2. Just tell in 25 words or less why you'd like to own a particular SKIL tool!

3. Mail your entry in on the official blank by November 26, 1955. Contest closes at midnight.

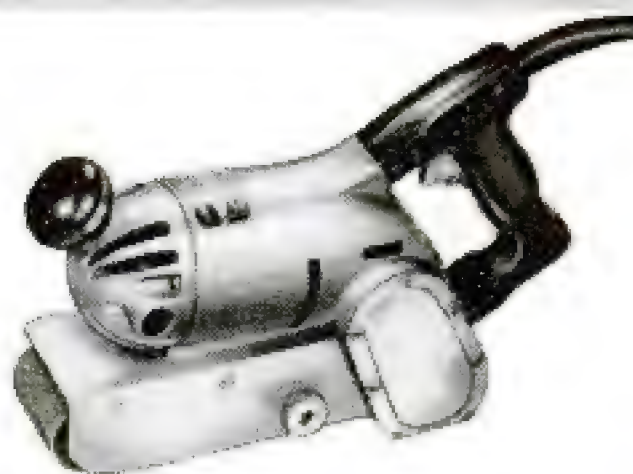
Hints For Winning!—Everyone would like to own a SKIL tool. So many home hobby projects, building and remodeling can be handled quicker and easier. Tell why a SKIL tool would help with your "Do-It-Yourself" jobs and you may have a winner. Opposite are four examples of statements about typical SKIL Tools:



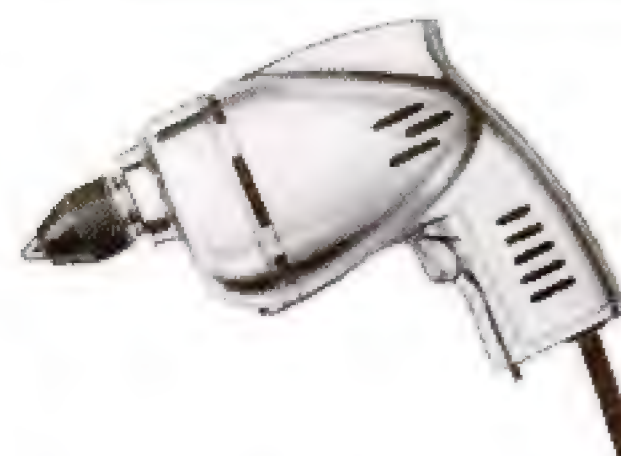
"I'd like a 6" SKIL Saw because it gives more power and professional features for my money than any other home-type saw." (Other advantages of the 6" SKIL Saw are quick, accurate bevel and depth adjustments, automatic blade guard, trigger switch, and long-life design.)



"I want a SKIL Drill Kit because the handy attachments do so many jobs—drill, sand, polish, or mix paint using the same basic tool." (And, it's quite a bargain, too! 32 valuable pieces—a whole workshop in a kit—for just \$39.95.)



"I'd like a SKIL Belt Sander because it's so easy to handle that even an amateur can get professional finishes without hours of backbreaking handwork." (A big advantage of SKIL Belt Sander is its versatility . . . perfect for finishing furniture, cabinet-work, boat-building, or removing old paint and rust.)



"I could use a SKIL 1/4" Drill. It's light, easy-to-use and mighty low-priced at \$19.95 when you think of all the home jobs it does." (And, you get more for your money, too. Powerful motor, keyless chuck, die cast aluminum housing, pistol grip with trigger switch.)

You Can Win in this Great Contest! Over 100 Prizes! Get Your Entry Blanks at Your Hardware or Building Supply Dealer

SKIL
BUILDERS TOOLS

Made only by SKIL Corporation,
formerly Skilsaw, Inc.
5033 Elston Avenue, Chicago 30, Illinois
3601 Dundas Street West, Toronto 9, Ontario

It's a Gift!
FOR THE ENTIRE FAMILY



General SLICES EVERYTHING!

It's a Gift FOR BREAKFAST
A GENERAL slices bread for toast, oranges, other fruits, ham to the butt end, even tough-rinded bacon.

It's a Gift FOR DINNER - FOR PARTIES
A GENERAL slices hot or cold roasts, french fries, cabbage for slaw. Slices cakes, cold cuts, tempting dishes of all kinds.

It's a Gift FOR LUNCH
A GENERAL slices cheese, tomatoes, cucumbers, vegetables for salads! Makes sandwiches. Slices, peels a pineapple.

Model 300 — A compact slicer for home use. White porcelain... \$17.95
Model 400 — Compact. Lifetime chrome finish. Stainless Steel blade... \$24.95
Model 419 — For larger homes. Pedestal legs. White porcelain... \$27.95
Model 420 — Pedestal legs. Chrome finish. Stainless Steel blade... \$35.00
Model 750 — Home electric slicer. Stainless Steel blade, UL approved. \$99.50

At finer stores, everywhere.

General SLICING MACHINE COMPANY, INC.
WALDEN SINCE 1932 NEW YORK

Why COLD SUFFERERS PREFER STANBACK

1. Stanback combines several medically approved pain relieving agents for faster, more comforting relief of pain.
2. Stanback reduces fever, relieves pain and sore aching muscles that accompany colds.
3. Stanback, used as a gargle, relieves sore throat due to colds.
4. Stanback—relieves headache, neuralgia and other common cold discomforts.

Test STANBACK against any preparation you've ever used... see how much faster relief comes.



DOT & DASH
SMART MOTHERS LOOK FOR THE DOT & DASH LABEL WHEN BUYING THEIR DAUGHTERS' DRESSES SIZES 1-3, 4-6X-7-14

THE BEST FOR LESS



pointer
GUARANTEED Hosiery
ADAMS-MILLIS CORP., HIGH POINT, N. C.

No Ordinary Powder Can Give Baby's Skin This Medicated Comfort

Mexsana is medicated, has a special cornstarch base. Quickly relieves diaper rash, misery, chafe. Family favorite to check itch of athlete's foot, minor rashes. Keep Mexsana in bath, nursery.

World's Largest Selling Medicated Family Powder

MEXSANA POWDER MEDICATED 79¢
A Plough Product



YOU'RE DEAD WRONG

IF YOU TRY TO DRIVE that extra mile when you're drowsy. Awake instantly with SNAPawakes... a safe, effective sleep-chaser. Keep a pack in your car and in your office desk. Great for tiring bus, plane and train trips too. Remember... SNAPawakes are recommended... nothing to take internally.

SNAPawakes
49¢ per pkg.

SNAP OPEN... SNIFF... and you're awake!

SNAPawake, Div. of Britton Corp., Newington, Conn.



Break in Sound Barrier CONTINUED



IN OLD F-102, heavy shock waves build up ahead, in center and at rear. Air (arrows) is shoved roughly aside to make way for nose, body and wings.

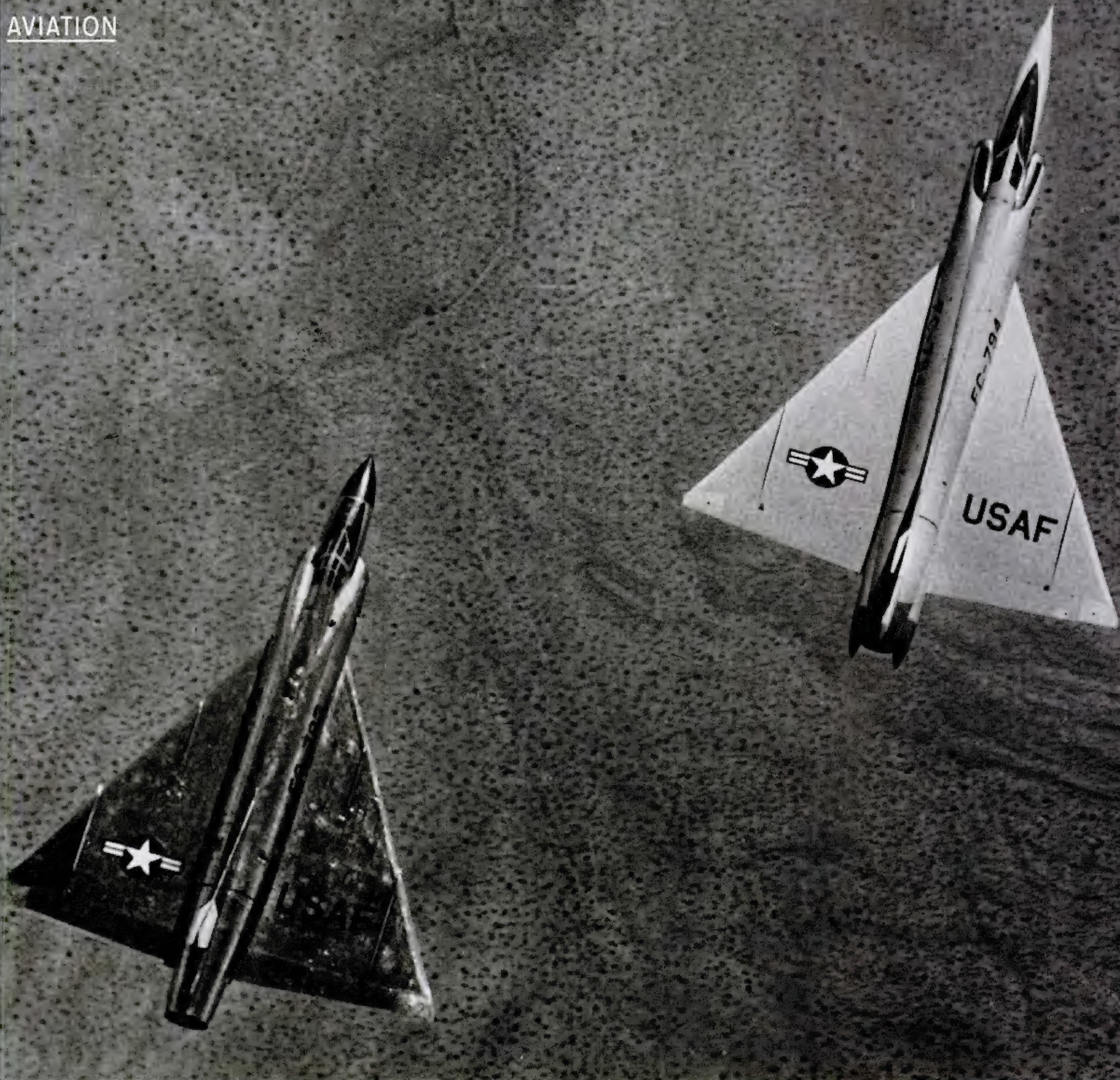
HOW NEW DESIGN RULE WORKS

When an airplane approaches the speed of sound (760 mph at sea level) it begins moving so fast that the air around it cannot get smoothly out of the way. The air, therefore, is shoved violently aside and heavy shock waves of compressed air build up. One shock wave bunches ahead of the plane where air is pushed aside to make way for the nose. A second builds up as the widening fuselage and wings begin pushing more air out of the way. A third shock wave shoots out near the trailing edge of the wing. The plane must carry these waves along with it through the transonic zone, the speed range between 600 and 800 mph, and this constitutes an enormous drag on the plane.

NACA Engineer Richard Whitcomb (next page) logically concluded that if the air could be less violently displaced, the waves and the drag would diminish, enabling the plane to pass more easily through the transonic zone. Whitcomb's solution (below) applied his Area Rule to taper and lengthen the nose of the F-102 so that air would move aside more gradually, and to pinch the waist so that air which otherwise would be sharply brushed aside would have a place to go. The result, although the same amount of air must get out of the way to make room for the plane, it is not displaced in violent shock patterns.



IN NEW F-102A, shock waves still form but are drastically reduced, largely by pinched waist which allows smoother air flow around wings and body.



TWO F-102 JETS FLYING NEAR EDWARDS AIR FORCE BASE, CALIF. SHOW CHANGES IN SHAPE WHICH MADE SUPERSONIC PLANE (RIGHT) OUT OF A FAILURE (LEFT)

A NEW BREAK IN THE SOUND BARRIER

Young engineer's discovery is the greatest advance in aviation since the beginning of the jet age

Flying together over the California desert one day last week were two Delta-wing jet fighters (*above*), both called F-102 and both powered by the J-57 engine. One looks straight and trim, the other oddly pinched in the middle. One has a short nose, the other a long one. But their differences are not mere differences of shape. The F-102 at left, though planned to go faster than sound, cannot. The F-102A at right can, and with a top speed of more than 900 mph is fast becoming a mainstay of U.S. air defense. How it got that way is the story of the greatest advance in aviation since man first broke the sound barrier.

That advance, a discovery only recently disclosed, is called the Area Rule which, in effect, puts an airplane's bumps and indentations in the

right places. Its effect is to change the shapes of planes like the F-102 and push them smoothly through the sound barrier, the dangerous wall of shock waves which jets ordinarily cannot penetrate without great bursts of extra power. How it works is described on the next page.

Area Rule literally saved the F-102. After turning out what they were convinced would be a supersonic fighter, Convair designers discovered it would not even reach the speed of sound. Gambling on the then unproved theory of Richard Whitcomb, 34-year-old engineer of the National Advisory Committee for Aeronautics, the designers reworked the F-102 to give it a pinched waist, longer nose and a bulged tail. On its first try the new F-102A slipped smoothly into supersonic speed while still climbing.

Buttermilk

now right in

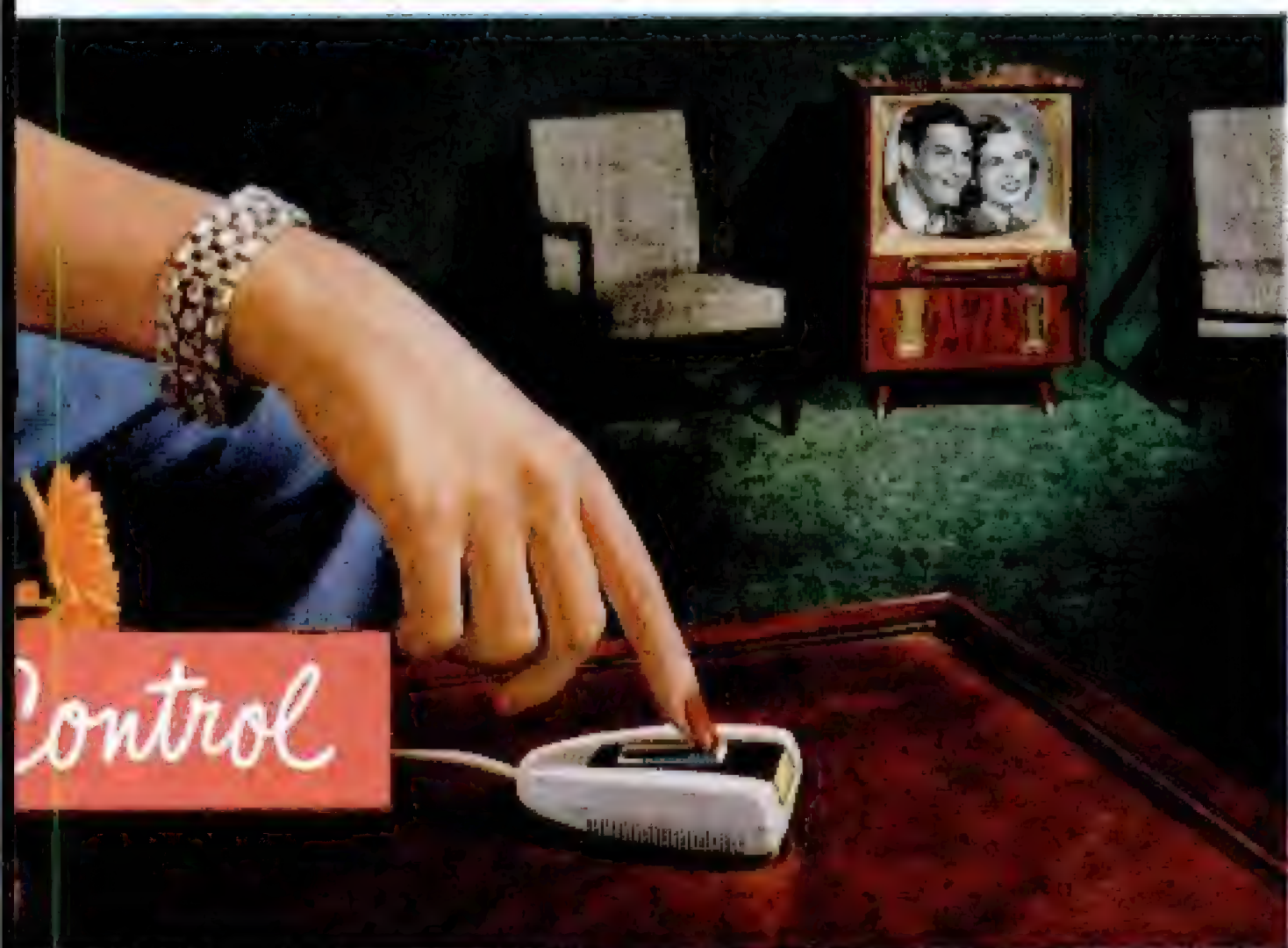
Pillsbury Pancake Mix

*...the lighter pancakes, now lighter,
now better than ever. Now with
buttermilk right in the mix.*

Now you can have Pillsbury
Buttermilk Buckwheats, too.



CTURES TWO WAYS... AUTOMATICALLY!



there's your station!

And Philco leaves other TV years behind in performance and picture quality too . . . thanks to two other tremendous discoveries at the Philco laboratories. One: the new Micro-Grid Tuner with its X-155 Tube . . . "nerve center" of the greatest transformer-powered chassis ever built. Up to 25% more sensitivity and pull-in power to give "snow-free" reception in areas where other TV has failed. Two: the discovery that makes possible television's first Photo-Perfect picture. A new "Magnetic Ring" Focuser that achieves a miracle of clearly etched, picture clarity—you get all the action Photo-Perfect!

Only Philco offers you such a wide array of distinctive, fashion-crafted cabinet designs. See your Philco dealer today!

OUTMODES ALL OTHER CABINET DESIGNS



PHILCO 6320. Automatic Top Touch Tuning. Giant 24-inch Photo-Perfect picture. Custom 440 Chassis. Fashion-crafted full door console in elegant Fruitwood or Mahogany Veneers.



PHILCO 4148. New custom swivelet in Cordovan Mahogany finish. Exclusive "Picture Frame" styling. 21-inch Photo-Perfect picture. Philco Top Touch Tuning.



The Philco "MISS AMERICA" model. Lovely 24-inch console in Blond or Mahogany, named in honor of America's reigning Beauty Queen. Automatic Top Touch Tuning. Philco 6126-L.



PHILCO RADIOS AND PHONOGRAPHS FOR 1956



"TUBELESS WONDER" OF THE ELECTRONIC AGE

World's first *transistor* phonograph. Tiny Philco transistors replace all tubes. Rugged little portable runs on just 4 flashlight cells. No cords! No plug-in! Up to 2,000 plays without battery change. Only Philco has it. Model TPA-2.



Tan, tough and terrific! Mighty 3-way portable radio in genuine top grain cowhide. Rich in tone, rugged as all outdoors. Choice of Tan, Calypso Red, Varadero Sand. Philco "Sportster." Model 655.



New style sensation in automatic clock radios. Striking "Fashion First" for milady's night table. Black damask grille accents luxurious cabinet in Fiesta Pink. The exclusive Philco "Señora". Model 728.



Smallest and lightest automatic 3-speed portable phonograph. Dynamic speaker and acoustically-balanced baffle board built right into lid. Superb tone. Philco 1337.



Buy only where you see this sign, for guaranteed Philco quality and service.

PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

PHILCO®

TOP TOUCH TUNING

NOW! PHOTO-PERFECT

At the Set

...or by Remote

Just a touch



PHILCO 4160. Magnetic Ring Focusing System. Automatic Top Touch Tuning. FM sound with Twin Speakers. Striking new 21-inch Swivel-base console with Mahogany Veneers.

You've got to *touch* it and *see* it, to believe it! The brilliant Philco discovery that gives you America's first *automatic* television! The amazing new Philco Top Touch Tuning System is right *up top* and *up forward* where it's so easy to reach. A touch of your finger turns the set on. A touch changes stations. A touch turns it off. Your days of fumbling with awkward out-of-reach knobs are over. With Philco — and only Philco — it's automatic!

But wait—here's another Philco exclusive! Fabulous new Automatic Remote Control . . . and for only \$10.00! You can operate your new '56 Philco *from across the room!* Touch the control and change stations without moving from your easy chair.

INSPIRED PICTURE FRAME STYLING



PHILCO 4156. New 21-inch horizontal console with Philco Micro-Grid Tuner and bonus-size Photo-Perfect picture. Automatic Top Touch Tuning. Contemporary design in Mahogany finish.

Every Santa wants a BarcaLounger

Patented



Isn't it time your Santa Claus had a really comfortable chair to relax in... instead of a rickety old hand-me-down that puts a crick in his neck and an ache in his back? Isn't it time the family got together and gave him a BarcaLounger?

You can't imagine (until you try it) how relaxing the BarcaLounger is... how completely different from ordinary chairs! That's because only the BarcaLounger has "Floating Comfort". The back-rest, seat, and leg-rest are synchronized to cradle the body automatically in any position from sitting to reclining.

And BarcaLoungers are as beautiful as they are comfortable. Why not pick out *your* Santa's BarcaLounger *now*?

Write for FREE booklets and name of nearest dealer.
Barcalo of Buffalo, Dept. L-11, Buffalo 4, N. Y.

See the completely new BarcaLonian... a quality reclining chair at a low budget price.



What size chair do you wear?
The BarcaLounger is built for tall, mediums, shorts. Be sure you get a correct fit. Look for the name BarcaLounger under foot-rest!
Copr. 1966, Barcalo Mfg. Co.



Model 275-R-1 BarcaLounger in Luggage Tan genuine top-grain leather. Perfect for Dad's den. Also in long-wearing plastics and many exquisitely handsome decorator fabrics.



This 270-S-1 BarcaLounger is finished in gold-threaded Forest Green Tweed. Also available in many other attractive decorator fabrics, colorful plastics and genuine leather.



Model W261-S-1 covered in rose beige nylon frieze. Head pillow flips back out of sight when not in use. There are many other smart styles, sizes, colors and coverings.



Model 520 modern. Lime green nubby weave fabric with interwoven threads of Lurex and cocoa brown. Head pillow flips back when not being used. Easily adjustable.



This handsome W251-S-1 BarcaLounger is covered in metallic-threaded boucle. It's a chair you'll be proud to have in any room of your home...living room, bedroom or Dad's den.



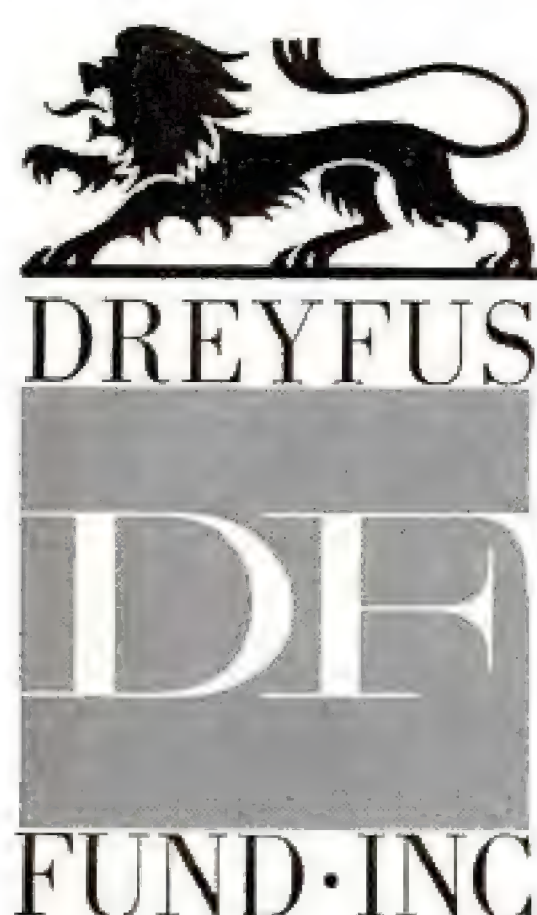
Patented Model 515 Decorator Series BarcaLounger in striking floral matelasse. Other fabrics available. Adjustable head pillow easily flips back out of sight when not in use.



"I never forget my morning Sunsweet"

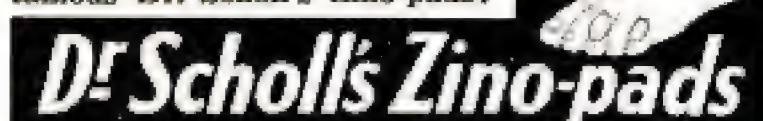
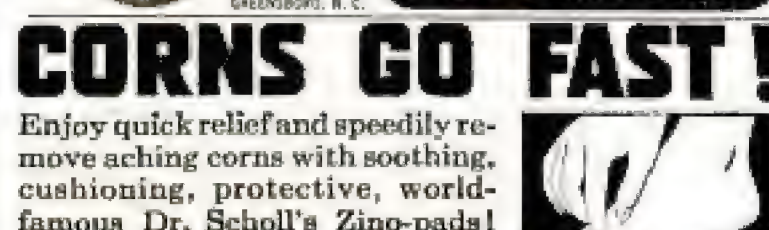
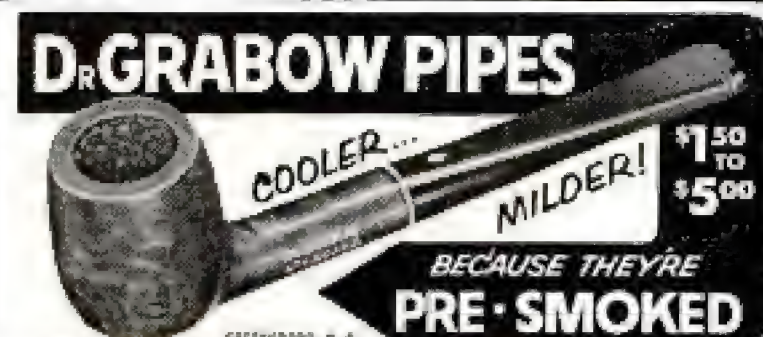
"Pour yourself some Sunsweet—and discover why it's the best prune juice of all. Only Sunsweet has the same amount of natural laxative in every glass. Only one that tastes so great, too... because it's pure... never diluted, never sweetened. Naturally, Sunsweet outsells all the others put together."

SUNSWEET PRUNE JUICE

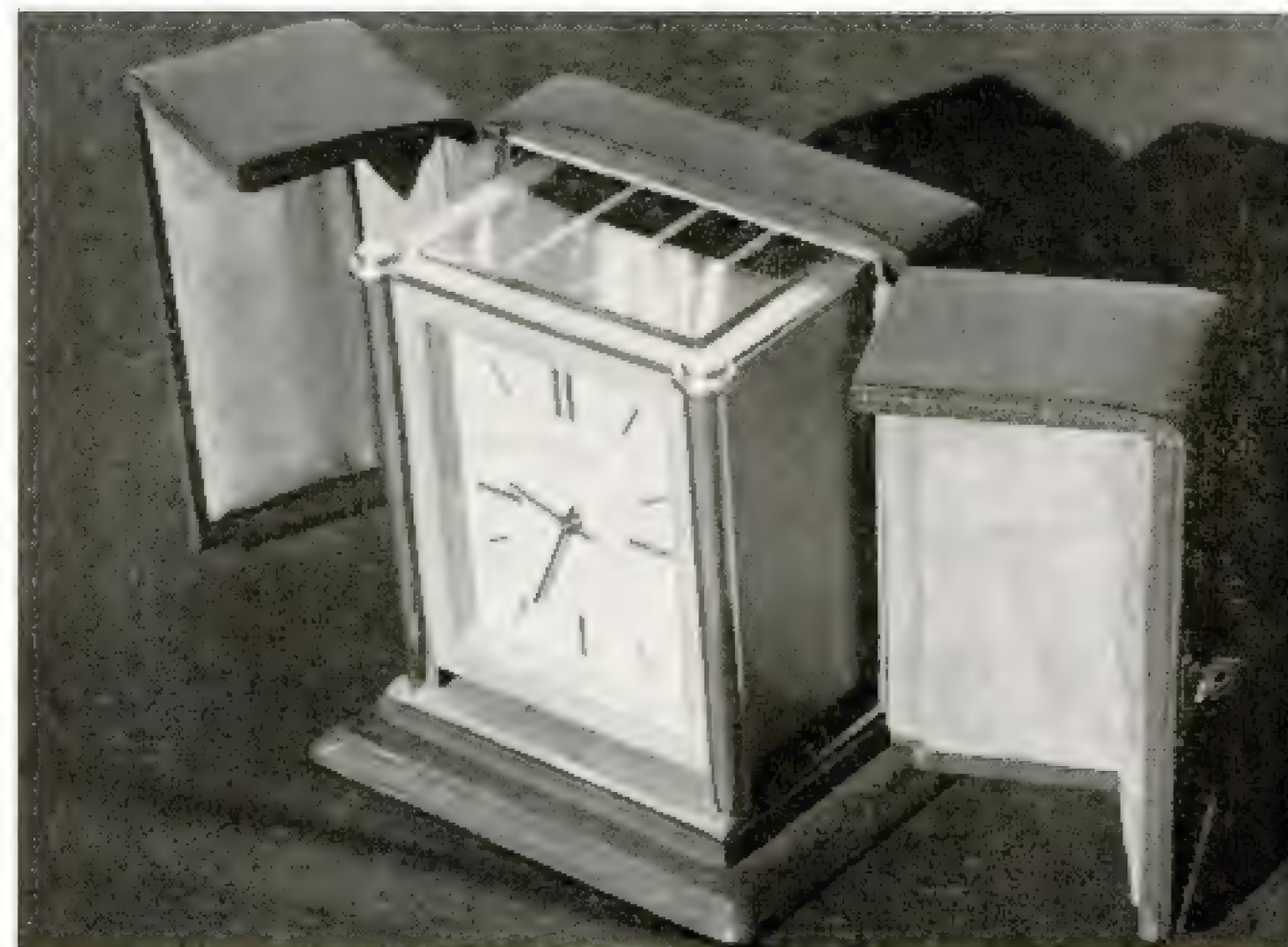


The Dreyfus Fund is a mutual investment fund in which the management strives to make the stockholders' money grow—and takes what it considers sensible risks in that direction.

ILLUSTRATED BOOKLET (PROSPECTUS) FREE FROM YOUR DEALER OR
DREYFUS
Corporation
50 Broadway, New York 4



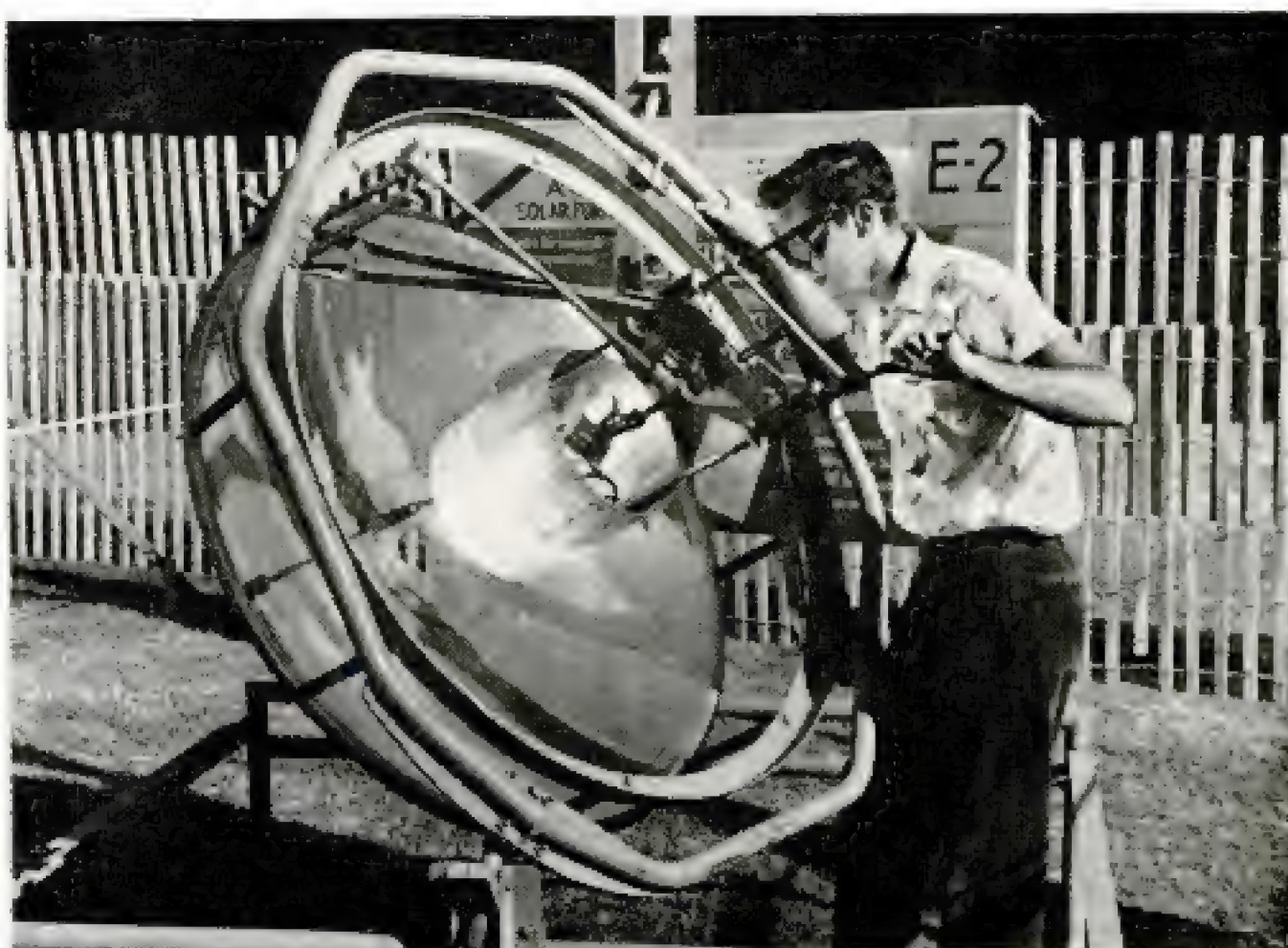
FRESH FACE TO SUN CONTINUED



PERPETUAL CLOCK runs on light converted into electricity by photoelectric cells on top. A tiny storage battery stores enough electricity to keep clock running a year without sun. Made by Patek Philippe, clock sells for \$1,250.



EXPERIMENTAL KILN uses sun's heat to fuse powdered enamels to metal. Sun's rays pass through three rectangular plastic lenses, converge and are reflected by mirrors onto underside of crucible containing metal and pigments.



SUN FURNACE, designed in 1938, is now being used for testing metals in jet aircraft engines. It consists of a parabolic reflector which focuses the sun's rays to build temperature up to 7,000° F., far hotter than electric furnaces.



IS THIS YOU, running to and from the clothesline every time it clouds up and threatens rain?

THIS COULD BE YOU. A Whirlpool Dryer ends weather worries, gives you almost 2 weeks of extra leisure time to enjoy each year. For best washing results: use *all*, the controlled-suds detergent that comes with every Whirlpool washer.

Put that basket down, ma'am—You can save 297 hours a year with a New 1956 Whirlpool Dryer

Only Whirlpool with its many exclusive features saves so much time for average family of four.

Let's say yours is the average family of four. A recent survey shows: compared with line-drying, a Whirlpool Dryer saves you almost 6 hours a week. That could be 3 extra movie shows or 2 more luncheons—instead of tiresome hours of lugging, stretching, stooping, hanging, and watching for the sun.

And—only Whirlpool Dryers save so much time. For one thing, fewer clothes need ironing—because Whirlpool gets them so fluffy and soft. Now,

too, your daintiest fabrics can be dried automatically because of Whirlpool's special "Delicate Fabric" control. But the biggest time-saver is in the drying itself. Exclusive Therma-Flow* action circulates air where it does the most good—in the clothes. And then an exhaust fan gets rid of the moisture-laden air—speeds up drying.

So—get more out of your clothes, and out of life, with a Whirlpool Dryer. See your Whirlpool dealer today. See the complete line of new Whirlpool Automatic Washers and Dryers (gas or electric) from \$159.95 to \$349.95, or as little as \$2.54 a week. Whirlpool-Seeger Corporation, St. Joseph, Michigan. In Canada: John Inglis Co., Ltd. *Tmk.

TALK TO THE WOMAN WHO USES A WHIRLPOOL—THEN SEE YOUR WHIRLPOOL DEALER
See the Milton Berle—Martha Raye Shows Tuesday nights, NBC-TV.



"DELICATE FABRIC" CONTROL produces special low temperature that safeguards all synthetics, blankets too.

BUILT-IN ULTRAVIOLET LAMP gives fresh-air sweetness and fragrance to clothes without sun-fading.

WHIRLPOOL-DRIED TOWELS are 34% fluffier than sun-dried towels. There's no hardness, no matting, no clothespin "dog ears."

SOOTHE AWAY
Sore Throat Pain
AND
Coughs of Colds

New "medicating-penetrating" throat lozenges, with remarkable Cetamium, work 3 ways to bring comfort:

- 1 ANTIBACTERIAL—kills over 90% of trouble-causing throat germs on contact.
- 2 ANESTHETIC—relieves sore throat of colds.
- 3 EXPECTORANT—eases deeper coughs, congestion of colds.



When your nose feels stuffy...



This winter, discover the comforts of GREYHOUND'S

Low-Cost Luxury



aboard the Scenicruiser or Highway Traveler

Settle back in a deep-cushioned reclining easychair behind one of the world's finest drivers. Enjoy panoramic picture windows, warm air-conditioning, velvet-smooth Air Suspension Ride. Scenicruiser has completely equipped washroom, with mirror, toilet, running water.

FREE! TRIP-PLANNING MAP—WITH TOUR DATA
Mail to Greyhound Tour Dept., 71 W. Lake, Chicago III. for illustrated full color Pleasure Map—with details on 50 Expense-Paid Tours by Greyhound.

Name _____
Address _____
City & State _____
Send me special information on a tour to: _____

GREYHOUND®

FRESH FACE TO SUN CONTINUED



CROWDED LECTURE on chemical uses of solar energy was held in ballroom bedecked with flags of participating

nations. Youngest delegate was Lewis Kruglick, 13 (center, foreground), who plans to make a career in solar science.



SOLAR DISTILLER uses the sun's heat to evaporate salt water. The vapor condenses as fresh water on a plastic film.

SOLAR SALESMAN of National Fabricated Products Inc. (below) plugs sun battery which runs toy merry-go-round.





SUN-HEATED HOUSE was built this year near Tucson, Ariz. Sun's heat is absorbed by giant glass-faced collector (*right*) and is blown to special rockpile

which holds heat, warms house. In sunny Tucson, no other heat is needed. Installation cost owner-designer Raymond Bliss Jr. (*center*) \$4,000. Fuel is free.

FRESH FACE TO THE SUN

International conference assesses progress in solar energy

A big slanting slab of steel and glass propped like a tottering billboard beside a small house near Tucson, Ariz. was getting a lot of specialized attention early this month. It is the solar ray receiver for the first house in the U.S. to be heated entirely by the sun, and its impressed viewers were participants at an international scientific conference which was meeting at Phoenix to discuss a topic of common interest: how to exploit the sun's heat.

For centuries scientists have been exploring ways to harness directly the power of the sun, whose rays daily drench the earth with an energy equivalent to 27 million Hiroshima atom bombs. At the Phoenix meeting, which was by far the biggest solar energy conference ever held, 1,100

scientists and industrialists from 34 countries took stock of each other's progress and gawked at 79 exhibits of solar furnaces, motors, distillers and batteries (*next page*).

One fact sadly agreed on was that the dream of dotting the earth with vast solar power stations (*LIFE*, Jan. 4, 1954) was now somewhat clouded by the prospects of almost unlimited power from atomic fission. But the scientists were pleased by the assertions of businessmen, who are now moving into the solar field for the first time, that a number of their ideas are practical enough to put on the market. What pleased them even more was the announcement of a plan to build a \$700,000 solar research laboratory in Arizona to be operated by the Stanford Research Institute.

WANTED
(and used)

by the Police in 119 big cities!

B-W Automatic Transmissions

DESIGNED

(They cut engine revolutions 15%—keep cars young!)



A continuous surge of power... never a hesitation or "bump"... with a B-W Automatic Transmission. One speed range "overlaps" another—the power is never off. Tiring vibration is banished, economy added. Made for both cars and light trucks.

Across the nation—New York, Chicago, Kansas City, even in Detroit, the motor city itself—B-W automatics in police cars are winning acclaim. They saved one city \$125,000 in repairs in a single year! But most important, they're helping police officers beat fatigue, stay alert.

Drive a B-W automatic... see how 92% of the work of driving is eliminated. Feel the "snap" of a B-W automatic as you go from start to full cruise on one unbroken stream of power. Here is superb smoothness, without sluggishness. No commotion, jerks or clicks. Merging of speed ranges is so quiet you hardly hear it.

Borg-Warner's way of combining a *torque converter* and *gears* achieves both smoothness and "go." You'll like that—and the gas mileage—and the way a B-W automatic lets your engine breeze up hills, give real braking help coming down.

23 years of research stand behind B-W automatics and their exceptional performance and rugged stamina. Each one proves Borg-Warner *does* "design it better—make it better." America's fastest-growing motorcar drives, they are bringing happier driving to 2 million car owners. Make sure your next new car (or late model used car) has one!

Almost every American benefits every day
from the 185 products made by



Borg-Warner

AMERICA'S FOREMOST MAKER OF TRANSMISSIONS:
STANDARD, OVERDRIVE, AND AUTOMATIC



DETAILED AND DECORATIVE

A delicately decorative realism characterizes the paintings of 28-year-old Patricia Wartik of Flushing, N.Y. Her *Mountain Landscape* is based on sketches she made near Aspen, Colo. in 1953, but the painting, which she produced a year later, was developed along more ornamental than naturalistic lines. While preserving detailed effects of trees, furry underbrush and mountain contours, Mrs. Wartik emphasized the licking, flamelike forms and undulating rhythms of the landscape which, as seen in the close-up at left, recall the graceful patterns of Oriental art.





MR. AND MRS. HOWARD LIPMAN COLLECTION

SUBTLE AND SUGGESTIVE

In his *Table with Bottles and Cheese* Robert D'Arista takes up a familiar theme of Western painting and re-creates a readily recognizable still life. Yet, as the enlarged detail at right shows, D'Arista is more concerned with suggesting the table objects through abstract shapes and creating a subtle harmony of tones and textures than with meticulously rendering a realistic view of the scene. Because of his sensitive feeling for the beguiling refinements of color and surface qualities, D'Arista, who is a 26-year-old New Yorker, is linked with the painterly tradition of French art.



NEW ART AT CLOSE VIEW

Details from the Carnegie show dramatize painters' approaches

The 59-year-old Carnegie International Art Exhibition, once a conservative affair, has come abreast of the more provocative styles of the times. This year's show, now on view in Pittsburgh, is a full-blown exposition of modern art from 23 countries. Most voluminous is the display of 144 American paintings which indicate the major directions the nation's painters are taking and demonstrate their wide range of expression.

On these pages, LIFE reproduces three Carnegie paintings which, when viewed in their entirety, are seen to represent different styles. But to show how the paintings go beyond the limits of any style, LIFE has moved in on each work, focusing on enlarged details which are shown beside each painting. These close-ups provide a concentrated view of each artist's sensitivity and insight and, in fact, convey the essence of his approach.



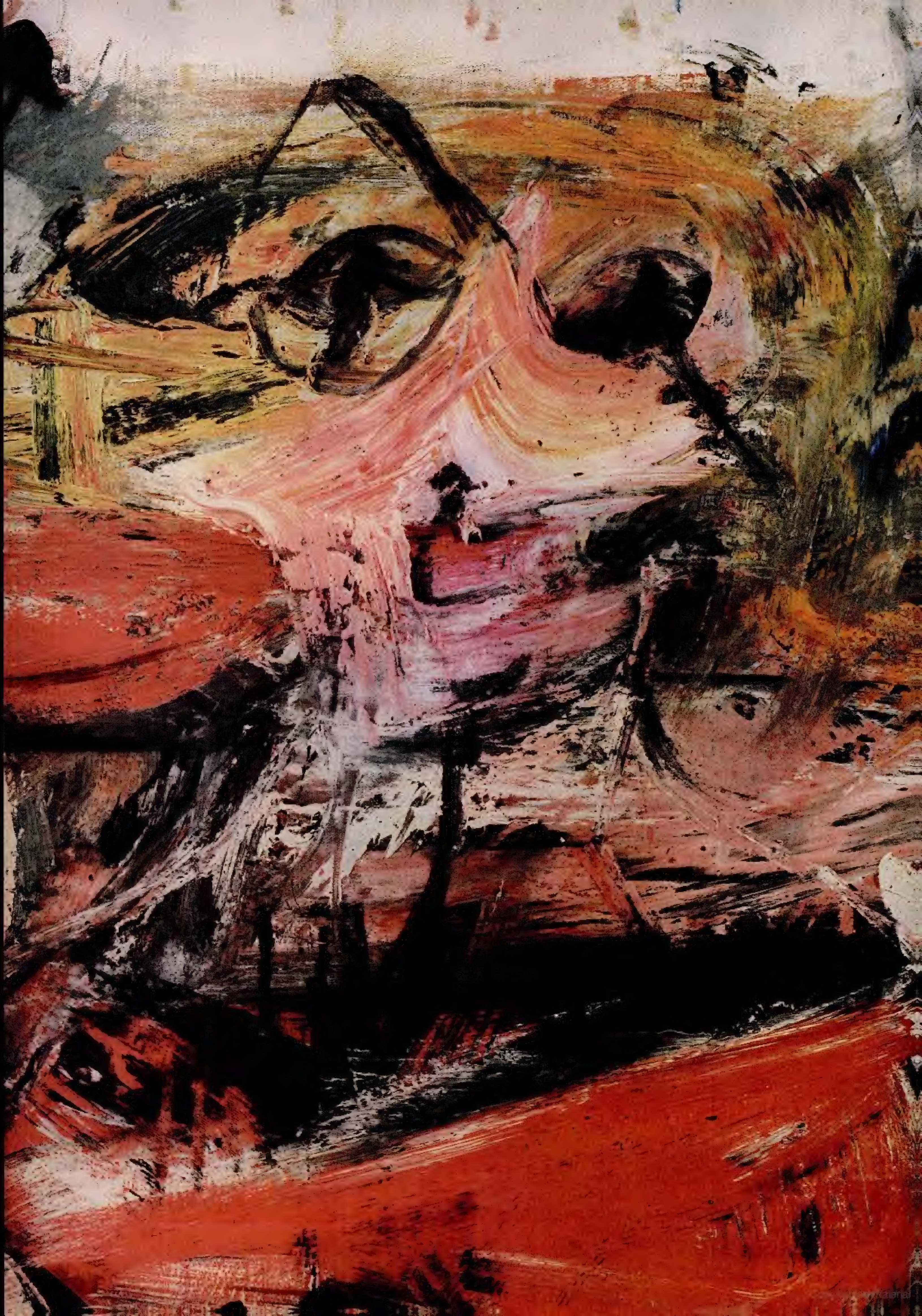
SIDNEY JANIS GALLERY

A VIOLENT VERSION BY AN EXTREMIST

In the close-up at left of extremist Willem de Kooning's *Woman VI* (above), the maelstrom of slashing

strokes and jarring colors emphasizes the artist's violent expressionistic version of a female figure.

CONTINUED





Actual Test Track photo of Plymouth Belvedere 4-door Hardtop Sport Sedan. 28 other new models, including exciting new Suburban line of station wagons in three low price-ranges.

WAS STANDING STILL!

motion comes from watching other cars dropping behind.

The secret is in Plymouth's exclusive 90-90 Turbo-Torque performance... a new way of turning higher engine power into greater *go-ahead* power. You enjoy more *thrust* when you want it... split-second, safer passing. New V-8 or 6 engines, with PowerFlite fully automatic transmission plus exclusive 90-90 Turbo-Torque!



DYNAMIC PLYMOUTH '56

The car that's going places with the Young in Heart



9.1 SECONDS AGO THIS PLYMOUTH

Now, a great new Hy-Fire V-8! 90-90 Turbo-Torque
plus PowerFlite, for top thrust at take-off...
rapid-fire getaway...split-second, safer passing!

Forget all past ideas about what *any* car can do! Just touch Plymouth's Push-Button Driving control...press the throttle...and feel that automobile come alive!

You have a swift, exciting sense of taking off as you thrust instantly ahead. There's a forward push of the seat against your back...then your Plymouth moves out front, so sleekly and swiftly that your only sense of



ALL-NEW AERO

At last! In fashion's favorite color...and heat-proof, too!

True Pink Anchorglass Dinnerware

...IT'S NEW!



So lovely...so low in price...
you'll want sets for gifts

...and an extra set for yourself!

Fashion's favorite—pink—at its delicate loveliest makes the newest and smartest dinnerware in the famous Anchorglass line.

Lustrous and dainty as it looks, PINK ANCHORGLASS Dinnerware is heat-proof so you can serve foods piping hot. And best of all it's priced so low there's no waiting to save up—to set a charming table—or give a truly imaginative gift that will be enjoyed for years

to come. PINK ANCHORGLASS is made by the largest manufacturer of household glassware in the world—with an output of millions of pieces a day. That's why this lovely new dinnerware is priced so amazingly low.

Do go in and see it right away wherever glassware is sold. Choose the set you need today—and enjoy the knowledge that you can add to it any time you like.

SERVICE FOR 4—
12 piece starter set gift boxed about..... **\$2**
4 Cups • 4 Saucers • 4 Dinner Plates

SERVICE FOR 6—
35 piece dinner set about.... **\$6.50**
6 Cups • 6 Saucers • 6 Dinner Plates
6 Desserts • 6 Salad Plates • 1 Large
Serving Bowl • 1 Serving Plate • 1 Sugar
& Cover • 1 Creamer

SERVICE FOR 4—
19 piece luncheon set gift boxed about..... **\$3**
4 Cups • 4 Saucers • 4 Dinner Plates
4 Desserts • 1 Sugar & Cover • 1 Creamer

SERVICE FOR 8—
53 piece dinner set about.... **\$10**
8 Cups • 8 Saucers • 8 Dinner Plates
8 Desserts • 8 Salad Plates • 8 Soup Plates
1 Serving Plate • 1 Large Serving Bowl
1 Sugar & Cover • 1 Creamer

YOU CAN GET PINK ANCHORGLASS DINNERWARE IN OPEN STOCK, TOO!

Just look for the label below and you're sure to get authentic, beautiful matching pieces to add to your set whenever you

please. It's so new your dealer may not have it just yet, but if you ask him, he'll be glad to get it for you.

Cup and Saucer, 25¢ • Dessert, 2/25¢ • Salad Plate, 20¢ • Soup Plate, 20¢ • Dinner Plate, 25¢ • Small Serving Bowl, 25¢ • Large Serving Bowl, 30¢ • Serving Plate, 50¢
Sugar & Cover, 25¢ • Creamer, 20¢

(Prices vary slightly in different parts of the country.)

Anchorglass



PRODUCT OF ANCHOR HOCKING GLASS CORPORATION, LANCASTER, OHIO

DANDRUFF

may be the beginning of baldness

We can't prevent baldness, nor do we believe anyone can. But if you have dandruff, any dermatologist will tell you to follow a suitable program of scalp care.

Dandruff commonly arises from a disease of the scalp called *seborrhea*. This may be caused by a tiny parasite called the *Spore of Malassez*. Usually, seborrhea progresses through three stages:

1. *Dry white scales* flake off your scalp, drop to your shoulders.
2. *Moist, sticky scales* appear on scalp. In many cases, hairs begin to die before fully grown.
3. "*Choking*" of hair roots with fatty substance produced by glands, plus dead cells and dirt, may occur in hair follicles. Result is increasingly "thin" hair, often *baldness*.

A scalp hygiene program: the Kreml Method

Kreml Hair Tonic now contains a revolutionary new antiseptic ingredient that actually *kills on contact* the Spores of Malassez com-

monly believed to cause dandruff.

Tonight, shake Kreml *generously* on to your head. Massage your scalp . . . then apply your favorite shampoo. Work up a thick lather—*without putting any water on your head*. You will find that the lather comes easily if you have used enough Kreml.

Tomorrow morning—and every morning: Shake on Kreml Hair Tonic—rub it into your hair and scalp—and comb your hair in place.

Money-back offer

Try the Kreml Method faithfully. If not completely satisfied, send Kreml label to J. B. Williams Co., Glastonbury, Conn. Tell us what you paid—we will gladly refund your money.

Get a bottle of Kreml Hair Tonic today. At drug counters everywhere—no Federal excise tax. See how quickly the Kreml Method makes your head *feel* and *look* better!

KREML HAIR TONIC

BE RIGHT WITH
TCA Thermometers
GUARANTEED ACCURATE

Chaney Tru-Temp
**INDOOR-OUTDOOR
THERMOMETER**

Dependable guide to both indoor and outdoor temperatures, read easily day or night in the comfort of your home. Exclusive magnifying case. Top quality, popular price. The perfect gift!

MODEL
800
\$4.00

Duncan Hines
COMPLETE KITCHEN
THERMOMETER SET

FRENCH FRIES
BARBECUING
MEASURING
ROASTING
CANDY
ICING
JELLY
BASTING
FREEZER
PROTECTION

MODEL
DH-54
\$9.50

*LICENSED BY DUNCAN HINES INST., INC., ITHACA, N.Y.
Includes wall thermometer and favorite recipes of Duncan Hines. This wonderfully complete set assures perfect results every time!

AT LEADING HARDWARE DEALERS,
VARIETY AND DEPARTMENT STORES

PRICES SLIGHTLY HIGHER ON WEST COAST, IN CANADA

THERMOMETER CORP. OF AMERICA, SPRINGFIELD, OHIO

You Can Depend On

STRONGER Yet SAFER

ANACIN
to relieve

PAIN

Won't Upset
The Stomach

Anacin® not only gives stronger, faster relief from pain of headache, neuritis and neuralgia—but is also safer. Won't upset the stomach and has no bad effects. You see, Anacin is like a doctor's prescription. That is,

Anacin contains not just one but a combination of medically proven, active ingredients. Scientific research has proved no single drug can give such strong yet such safe relief as Anacin. Buy Anacin Tablets today! At all drug counters.

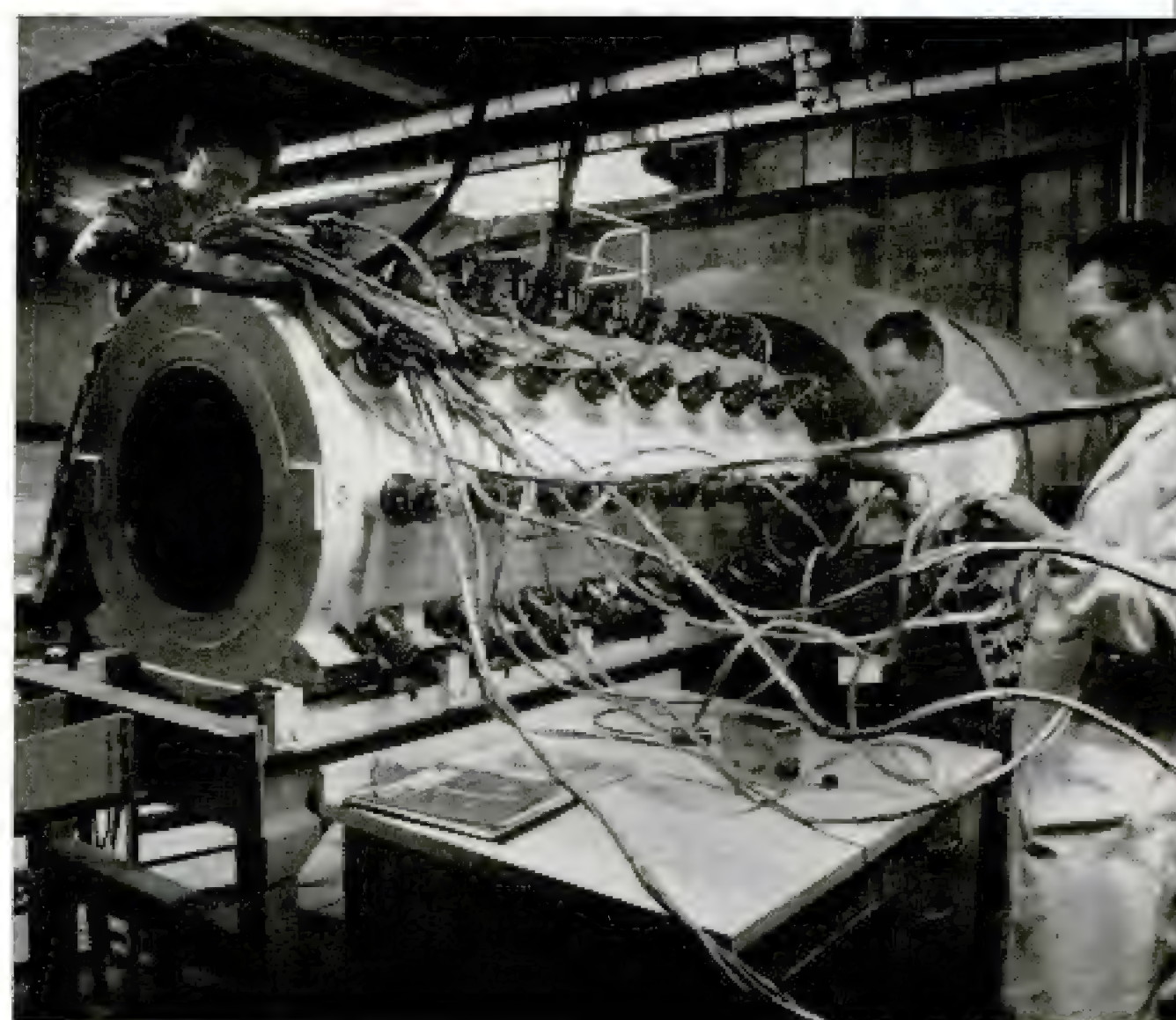


INGROWN NAIL
Hurting You?

Immediate Relief!

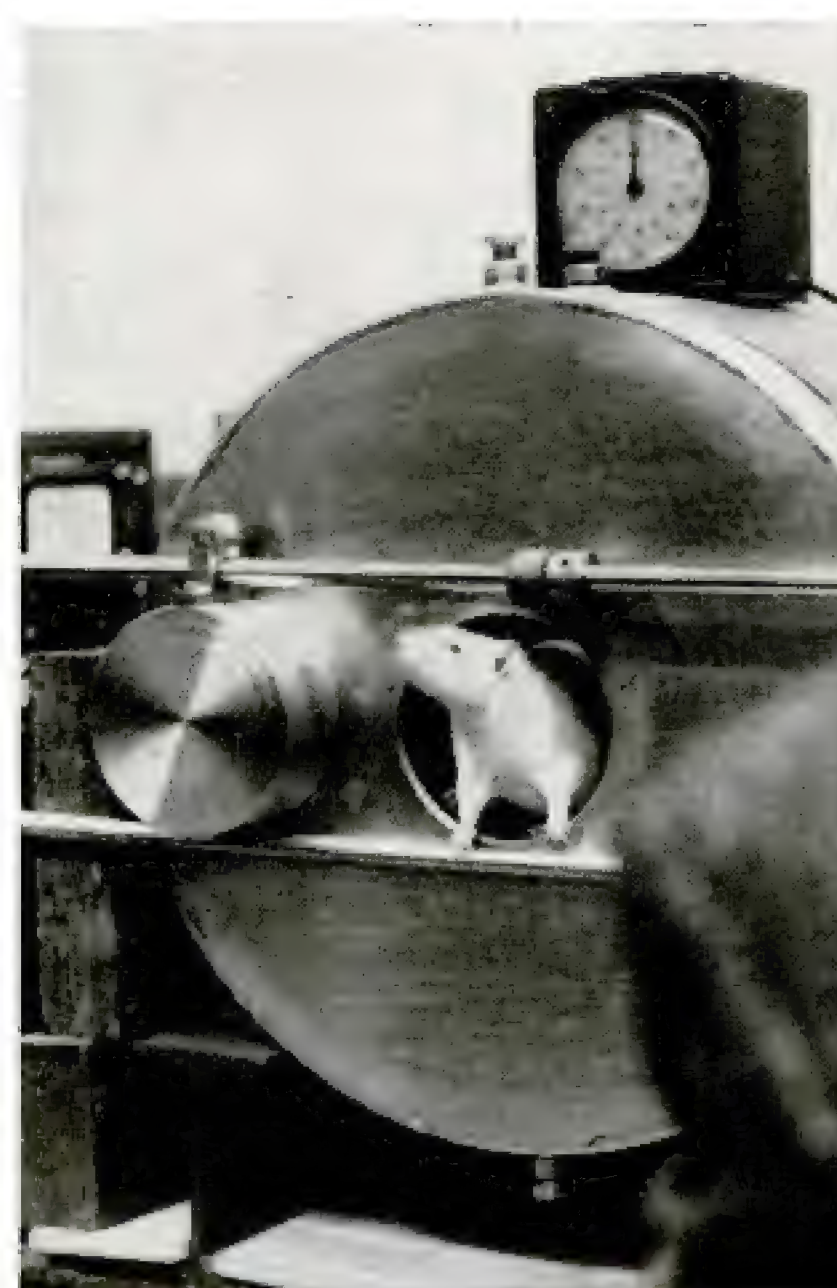
A few drops of OUTGRO® bring blessed relief from tormenting pain of ingrown nail. OUTGRO toughens the skin underneath the nail, allows the nail to be cut and thus prevents further pain and discomfort. OUTGRO is available at all drug counters.

Counter CONTINUED

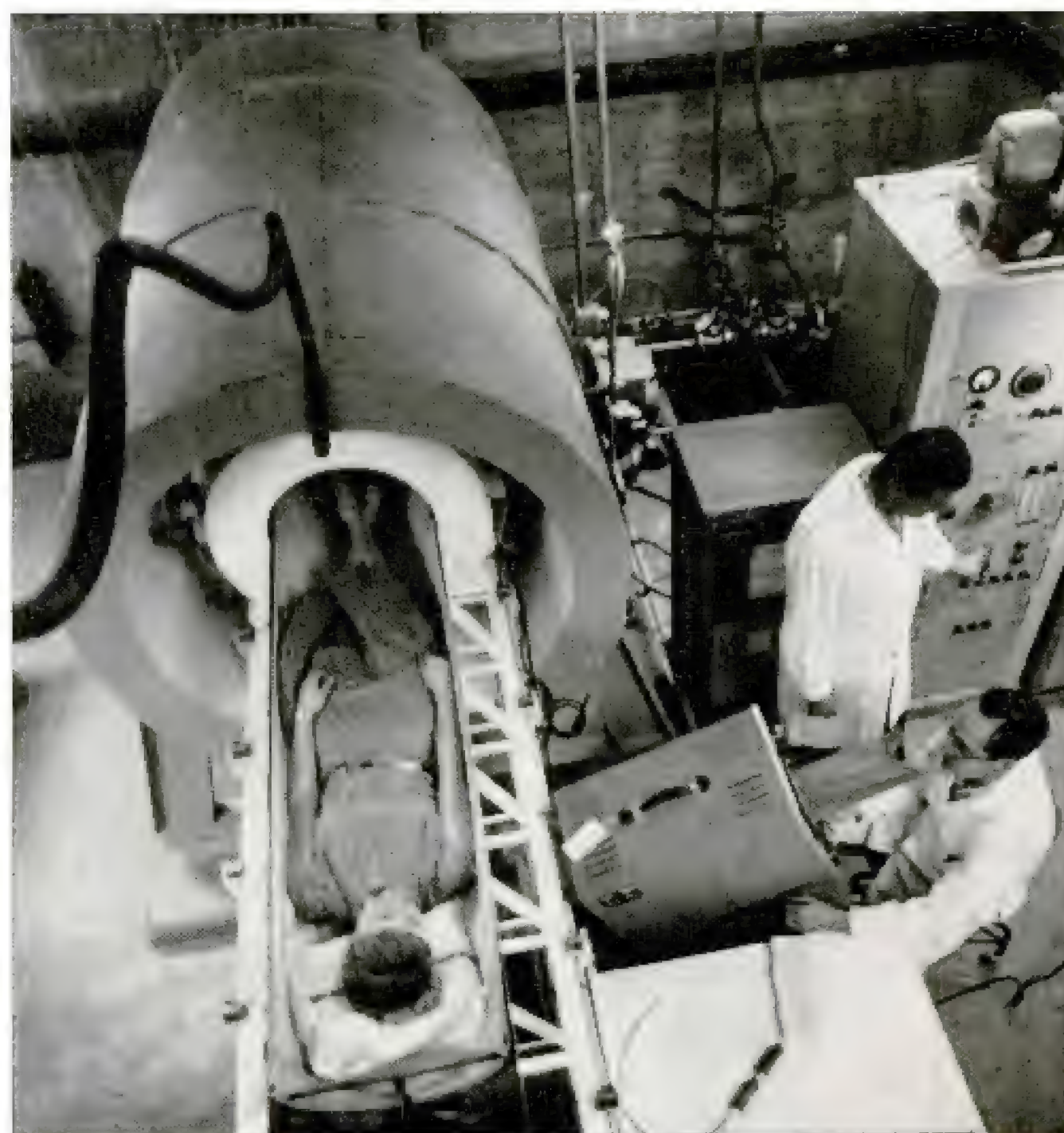


TUNING UP the counter, experts overhaul the complicated wiring of the 108 photomultipliers on drum, which has here been taken out of its massive leaden shielding in background.

RAT'S RADIATION is tested in midget model of big counter, which is used to measure how much of previously injected radioactive chemical may have been excreted or retained.



HUMAN TEST requires subject to lie in a narrow steel cradle which is then rolled into opening in six-foot-long counter. It takes two minutes to measure subject's gamma radiation.





CLUTCHING A FLASHLIGHT, 3-YEAR-OLD BRIAN SCHUCH IS SLID FEET FIRST INTO LOS ALAMOS RADIATION COUNTER

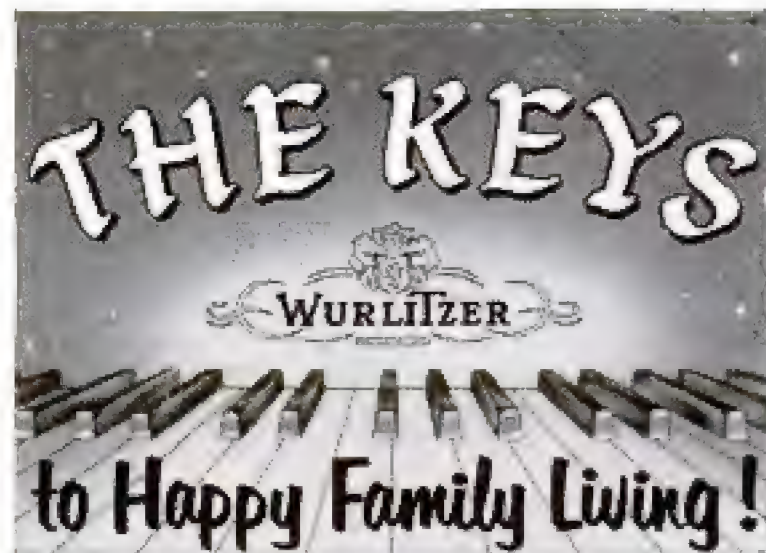
KID IN A CAVERNOUS COUNTER

The menacing mechanism into whose cannonlike mouth young Brian Schuch is cheerfully sliding is a huge radiation counter recently completed at the AEC's Los Alamos laboratory. The counter, which cost \$45,000 to build, is so sensitive that it can measure the almost undetectable gamma radiation emitted by a human body. It is surrounded by a 20-ton layer of lead shielding to block outside rays, and consists of an open-ended steel drum roomy enough to contain a human body, whose double wall encloses a sensitive liquid chemical. Gamma rays from the body penetrate the drum, causing faint

flashes of light in the surrounding liquid. These flashes are detected and amplified by photomultipliers clustered on the drum's outer surface, and transmitted to recording instruments (*next page*).

The counter will have important medical uses. It will measure how much radioactive dust uranium miners breathe into their lungs. It will help determine the dangers of radiation by measuring how long the human body retains radioactive materials. And since most of the body's own gamma-ray-emitting material is centered in the muscles, the counter will be useful in the study of muscular dystrophy.

CONTINUED



Family or Friends...

A Wurlitzer Piano in Your Home Means Musical Fun and Relaxation For All...

With your family . . . with your friends . . . music is one of the real enjoyments in life enthusiastically received by all. Youngsters and adults alike quickly respond to the gaiety and friendliness of a household filled with the warm, inspirational music of a WURLITZER PIANO!



Visit Wurlitzer on Disneyland's Main Street U.S.A.—Walt Disney's Magic Kingdom in Anaheim, California

WURLITZER PIANOS

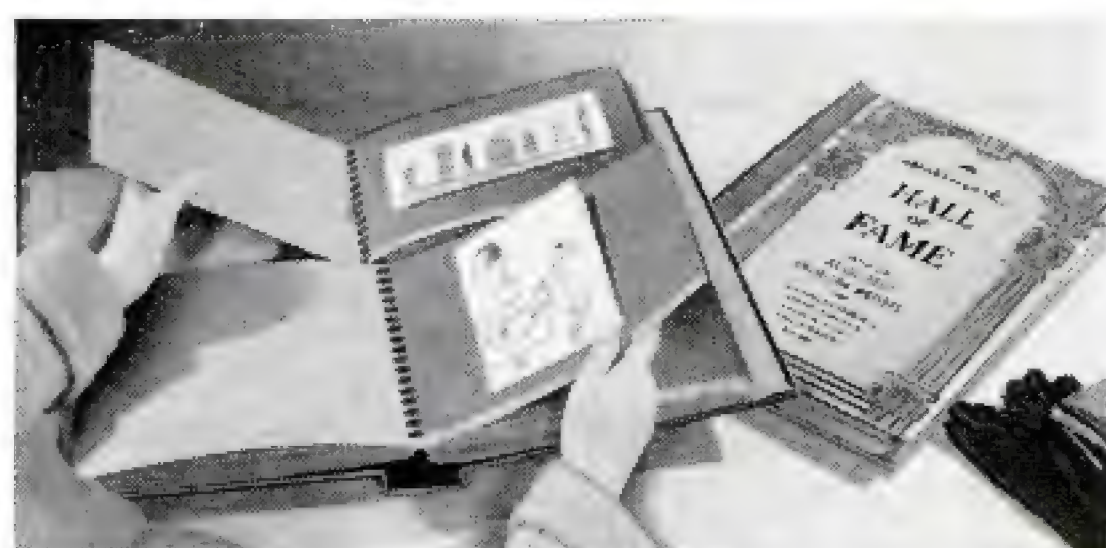
The Rudolph Wurlitzer Company—DeKalb, Illinois

Rudolph Wurlitzer Co., Dept. L-1
DeKalb, Illinois
Please send me full color literature and the name of your nearest authorized Wurlitzer dealer.
Name _____
Street _____
City _____ Zone _____ State _____

Hallmark Cards of the Month



BEAUTIFUL HALLMARK ADVENT CARDS add to the whole family's appreciation and enjoyment of Christmas! These big, impressive cards tell Christmas stories day-by-day for 24 days with 24 illustrated lift-ups. Children especially delight in the anticipation of a new story each day. Hallmark Advent Cards also make appropriate Christmas decorations. Only 50¢ and \$1.00, including envelope.



EXCITING NEW HALLMARK CHRISTMAS CARDS! Now's the time to choose your Christmas Cards to be imprinted with your name. You'll find the most exciting selection in the new Hallmark Christmas Albums—religious cards, cards with new Christmas art by the famous Associated American Artists, and by such distinguished Hallmark Artists as Grandma Moses, Norman Rockwell, Huldah and Steinberg.



NEW HALLMARK DECORATED NOTE PAPERS make distinctive yet inexpensive Christmas gifts! You'll find a wide selection of these lovely Hallmark Note Papers. They're the perfect size for quick notes, extending an invitation, or saying "thank you." See them at the fine stores that feature Hallmark Cards for as little as 59¢ and \$1.00 a box.



HALLMARK REMEMBRANCE ALBUMS—a new gift idea! These unusual albums have monthly calendar pages and an introductory selection of 17 distinctive Hallmark Cards for all occasions. You merely jot down the birthday or other special events you want to remember on the proper calendar page—select the appropriate greeting card, and file it in the corresponding page pocket. Regularly \$5.00, they're now on sale for only \$3.75.

Advertisement

TELEVISION EVENT OF THE MONTH

MAURICE EVANS



RALPH BELLAMY



DENNIS KING



GEORGE BERNARD SHAW'S

"THE DEVIL'S DISCIPLE" ON TV, SUNDAY, NOV. 20

NEW HALLMARK HALL OF FAME

Producer-Star Maurice Evans presents television premiere of the sparkling Shaw comedy as second show in exciting new series

Following up the highly successful "Alice in Wonderland" in October, Maurice Evans offers the witty adventures of "The Devil's Disciple" this Sunday, November 20, on the New Hallmark Hall of Fame.

Written in 1897 by George Bernard Shaw, it's the famous Irish playwright's only full-length play using an American locale—New England during the Revolutionary War. It pays tribute to the courage and vitality that gave birth to America.

Maurice Evans, who produces the series for Hallmark Cards, will also star as "The Devil's Disciple." He'll re-enact his famous Broadway role—the rascally, romantic Dick Dudgeon who

finds himself portraying a minister at the risk of his life. In one of Shaw's incomparably funny scenes, Dudgeon is forced to match wits with the debonaire British General Burgoyne.

Ralph Bellamy will co-star as the minister and stage star Dennis King will re-create his hilarious portrayal of General Burgoyne.

"We look forward to presenting this delightful Shaw comedy to our television audience," said Mr. Evans, rehearsing in NBC's huge Brooklyn theatre this week.

"It contains some of Shaw's most memorable writing and biting wit, and we hope they'll enjoy it as much as our theatre audiences did both on Broadway and on tour."

90 MINUTES IN FULL COLOR—NBC-TV NETWORK:

4 P.M. (EST), 3 P.M. (CST), 2 P.M. (MST), 1 P.M. (PST).

pin-ups — and only *Revlon* has it!

'SATIN-SET' the Pin-Curl Spray-Set

Now, in just 5 extra seconds, you can
set pin-curls that last twice as long!

Tonight and every night, millions of women will thank Revlon for 'Satin-Set'—the fabulous spray that's put an end to nightly pin-ups! If you haven't yet discovered 'Satin-Set', *hurry!* You'll wonder how you *ever* did without it!

You see, Revlon made 'Satin-Set' especially to set lasting pin-curls. It's *not* like ordinary sprays . . . they were never meant to set pin-curls. So don't you be fooled. 'Satin-Set' is the *one and only* Pin-Curl Spray-Set. With it, you can set pin-curls that last twice as long—and end nightly pin-ups!

Remember, 'Satin-Set' contains Revlon's own Lanolite, to make your hair softer, shinier than ever. Buy 'Satin-Set' today. Save, with the big Economy Size!

Questions you've asked about 'SATIN-SET'

Can I use 'Satin-Set' with a permanent? Certainly! Your permanent needs setting—and 'Satin-Set' holds your set twice as long! Between permanents? Try 'Satin-Set' instead. It gives most girls all the curl they like! And it's easier, faster, kinder than any permanent can be!

Does 'Satin-Set' contain any lacquer? Not a drop! It's water-soluble . . . washes out completely. Never stiff, sticky or flaky. No smelly chemicals, either . . . 'Satin-Set' has a lovely fragrance!

Is it good for my children's hair? There's nothing like 'Satin-Set' for a little girl's curls! It gives body to baby-fine hair . . . sets young styles to last twice as long!

Can I have 'Satin-Set' applied at my beauty salon? Yes—beauty operators *everywhere* use 'Satin-Set' to make professional sets last far longer!

Can I use 'Satin-Set' to hold my hair in place? Indeed you can! 'Satin-Set' holds your hair gently, hour after hour! Its special anti-humidity action keeps curls in . . . even on damp days! It's a perfect finishing spray!

(You've seen 'Satin-Set' on Revlon's "\$64,000 Question")



GENEROUS SIZE	1.35*
ECONOMY SIZE	2.00*
*PLUS TAX	

T.M.

© 1955, REVLON PRODUCTS CORP.

Here's the spray that ended nightly



Just pin and spray
for curls that stay!
No smelly chemicals.
No dabbing. No lacquer!



Music critics wrote this advertisement for a new kind of High Fidelity by RCA Victor

Read what they wrote for their papers after a press preview.
They have given us permission to reprint their comments for your guidance.



Mark VI, (6HF5). 3-speaker, 3-speed phonograph. \$129.95.



IRVING KOLODIN, *Saturday Review of Literature*: "The new RCA Victor 6HF5... is a lot of machine for the money. Its speaker alignment of woofer and two tweeters provides a remarkably balanced sound..."



Twin-console Mark I, (6HF1). 4-speaker, 3-speed phonograph, FM-AM radio, Hi-Fi tape recorder. \$1600.



DICK KLEINER, *NEA Service record columnist*: "Cream of the ready-made Hi-Fi crop is RCA Victor's Mark I... you hear every note, sharp and clear... not just a record player—it's an experience."



Mark IV, (6HF4). 3-speaker, 3-speed Console. \$169.95.



Mark II, (6HF2). 3-speaker, 3-speed phonograph, FM-AM radio. \$650.



Mark III, (6HF3). 3-speaker, 3-speed phonograph, FM-AM radio. \$325.



ROGER DETTMER, *Chicago American*: "Impressive phonographs by any standards. Mark IV... remarkable sound for the price. Mark II... superb machine... performs vividly. I would recommend it... for even a record reviewer... there's not much higher praise to be given any phonograph."



RALPH OTWELL, *Chicago Sun-Times*: "Mark III has a maximum output of 15 watts, rated range of 30 to 20,000 cycles... even the lowest priced model... produces an amazingly well-balanced tone."

P. S. We thank these impartial critics for their enthusiastic reviews. We feel these are the finest "Victrola" phonographs of all time. Now we'd like you to judge for yourself, by hearing them at your nearby RCA Victor dealer's.

The Mark II, III, and IV in mahogany finish; light rift oak finish, slightly higher. Mark I in traditional mahogany finish or modern styling in natural walnut finish. Manufacturer's nationally advertised list prices shown, subject to change without notice. See Milton Berle, Martha Raye alternately on NBC-TV, 2 out of every 3 Tuesdays. And don't miss NBC-TV's "Producers' Showcase" in RCA Compatible Color or black-and-white, Monday, Dec. 12th.

RCA VICTOR

TRADE MARK RADIO CORPORATION OF AMERICA



CAMDEN 8, NEW JERSEY

Neatest, quickest anti-perspirant there is!



Out of jar
in half a second!

Just push it up
in plastic tube

Slip it back
in jar face down

Push down.
Tighten cap

New greaseless anti-perspirant that lets your skin "breathe"

Extra effective. Goes on dry!
No wet or sticky residue on skin or clothes!

- Ends odor and perspiration moisture
- Contains nothing to stop skin's natural "breathing"
- The first greaseless anti-perspirant stick

Now! A revolutionary new kind of anti-perspirant—new Fresh Stick. It's non-acid. Other anti-perspirants are acid!

Other anti-perspirant sticks have a greasy base!

It goes on dry—invisibly—without a trace of greasiness or a drop of moisture! Your underarms actually stay dry and odorless!

No sticky fingers. No messy drip. No wet or sticky residue on skin or clothes.

Unconditionally guaranteed safe! No clothes damage or we will refund triple your

full purchase price of Fresh Stick Deodorant.

Better than sprays, creams, lotions, or ordinary sticks!

No pressure cans to stick. No roll-on containers to clog. No drippy sprays. No sticky creams to dry out! No worry about this stick drying up. Fresh Stick makes other types of deodorants old-fashioned!

To check perspiration, to stop odor completely, use new Fresh Stick every day.

P.S. to wives. Buy Fresh Stick for your husband, too. No heavy perfume.

Fresh is a registered trademark of Pharma-Craft Corporation. Also distributed in Canada.

New Hospital Proof Gentle **EX-LAX** HELPS you toward **YOUR** **NORMAL REGULARITY!**

NEW SCIENTIFIC TESTS
in one of the world's largest hospitals prove it again! The regulating ingredient found only in a laxative like EX-LAX helps, and continues to help the next day, toward your normal regularity! No habit forming routine ever recommended.

Buy The New
75¢ Economy Size and
Save up to 45¢.
Also in 15¢ and 35¢ sizes.



AT NIGHT, take pleasant-tasting EX-LAX for constipation. Its gentle effective action won't disturb sleep.

NEXT MORNING, enjoy the closest thing to natural action. No upset. No discomfort. No embarrassing urgency.

THE FOLLOWING DAY, Ex-Lax continues to help you toward your normal regularity! You seldom, if ever, have to repeat EX-LAX the next night!

GOT A COLD and need a laxative?

EX-LAX "gets along" with cold remedies you may be taking. Does not carry off fluid and food with their vitamins and minerals.

MORE PEOPLE USE EX-LAX THAN ANY OTHER LAXATIVE

HORSELESS RIDING CLOTHES CONTINUED



NONRIDING SLACKS, custom-made of heavy doeskin (\$85), are cut like breeches at top, omit flare at hips. They are worn with turtleneck sweater (\$8).



RATCATCHER SHIRT has detachable tie (\$6). An informal hunt shirt, it was worn at English rat hunts, which were held when foxes were out of season.



CLASSIC VELVET JOCKEY CAP (\$4) IS DRESSED UP WITH JEWELS AND FURS FOR TOWN. MODEL IS LOIS GUNAS; HORSE ONCE WAS RIDDEN IN A CAROUSEL

Horseless Riding Clothes

CLASSIC EQUESTRIAN STYLES ARE BEING LED AWAY FROM THE STABLE

Having suffered the advent of horseless carriages, the horse is being further demoted by a new fashion for horseless riding clothes. Nonriders who like the lean, trim look of horsey garb have found in riding shops a new source of well-cut clothes for country wear and even for town (*above*). The bow-tied ratecatcher shirt which comes in a range of

patterns is a welcome switch on the standard boy's shirt and can be worn with such unstablelike staples as gray flannel. The classic cut of breeches has been modified in slacks and shirts made of the hard, heavy woolens traditionally reserved for jodhpurs. The nonrider riding styles shown here come from the famous Miller's in New York.



*For flavor magic
use America's finest spices!*

**How to make the dressing
that makes the turkey**

Cook bread crumbs in shortening, and use freshest, full-flavored herbs and seasonings. For a 12-lb. bird, prepare 12 cups (3 qts.) dry bread crumbs or cubes. Melt 1 cup shortening (use half butter for flavor) in large skillet. Add 1 cup minced onion; cook until yellow. Add crumbs gradually, stirring to prevent over-browning. Turn into deep bowl. Mix 1½ cups chopped celery stalks and leaves, ½ tsp. McCormick or Schilling Ground Sage (or Thyme), ½ tsp. Black Pepper, 3 tsps. Poultry Seasoning, 1½ tsps. salt, ¼ cup hot water.



**Put flavor magic at your fingertips – Exclusive offer
on this beautiful Birchwood Spice Rack!**



Makes an ideal gift, too . . . for the holidays and all year 'round! Deep shelves hold twice as many packages as shown above. For each rack desired, send just \$3.00 (no stamps) and box-top from any package of McCormick or Schilling Pure Vanilla to Dept. SRL, McCormick & Co., Baltimore 2, Md. Be sure to include your name and address clearly printed. We pay the postage.

This offer, good in continental U.S., expires June 1, 1956. Void in any state or locality where prohibited, taxed, or otherwise restricted.



One famous emblem — two great brands
McCORMICK and Schilling

THE HOUSE OF MCCORMICK

Spices • Flavoring Extracts • Tea • Coffee

of the Test Drivers!

THIS FABULOUS '56 PONTIAC WITH THE BIG AND VITAL GENERAL MOTORS "AUTOMOTIVE FIRST"!



Ever try to impress a test driver? Believe us—it isn't easy!

So — we're tremendously proud to report that the '56 Pontiac has these thrill-wise experts cheering. They're excited in a really big way about its fabulous new performance.

What's set them buzzing is the very thing that will put a new lilt in *your* days when you come in and take the wheel—that big and vital General Motors "First" combining:

Pontiac's new, big-bore Strato-Streak V-8 with the terrific thrust of 227 blazing horsepower.

General Motors' new, fluid-flow Strato-Flight Hydra-Matic that gentles this mighty "go" to smoothness beyond belief.*

In all truth, here is the lift of a lifetime for all in love with great performance. And you don't need a test track to prove it!

Traffic will tell you. Here's "stop-and-go" response that matches the speed of your thoughts. *A hill will help.* High or low, it's left behind without a sign of effort. *And passing definitely pins it down.* Gun it and instant, buoyant power sweeps you smoothly past the loitering truck ahead. No drag, no lag—just safe and certain "go"!

A few miles of this and you're ready to join the club. *For this is living as you've never lived on wheels before!*

To be sure, there's more to charm you in this glamorous '56 Pontiac. The safety of big, authoritative new brakes. The security of finer controls, sure-footed cornering, a super-steady new ride. New beauty and luxury that brilliantly mirror tomorrow.

But, above all, it's the fabulous "go" that gets you!

Come in and drive a Pontiac soon for a glorious double thrill. There'll be pride in your heart, a torrent at your toe-tip. And what more could anyone want?

*An extra cost option.

SEE YOUR NEAREST PONTIAC DEALER



'56 PONTIAC

It's The Talk



America's Traditional Gift Bourbon

IN A DECANTER OF EXQUISITE BEAUTY

The world knows no finer bourbon than Old Taylor—"The Noblest Bourbon of Them All." Give it to your friends in this exquisite Presentation Decanter. Here good taste and great beauty go hand in hand.



*The Old Taylor
Presentation Decanter
costs no more than
the standard bottle.
It contains the same
amount of the same
rare bonded bourbon.*



KENTUCKY STRAIGHT BOURBON WHISKEY • 100 PROOF • BOTTLED IN BOND • THE OLD TAYLOR DISTILLERY CO., FRANKFORT, KY. • DIV. OF NATIONAL DISTILLERS PRODUCTS CORP.



Try them
now
and you'll
agree

on Burroughs Director



or Burroughs Ten Key

Now you can try a great new Burroughs adding machine in your own office, on your own work, at our expense! All you have to do is make a phone call. Our local branch office or dealer is listed in the Yellow Pages. Why not phone today? Burroughs Corporation, Detroit 32, Michigan.

"Burroughs" is a trade-mark



CURVING WALLS of Jewish chapel allow greater seating capacity of 125, to accommodate the greater number of Jewish students enrolled at Brandeis.

JEWISH CHAPEL



CURTAINED GLASS forms background for the gold-painted ark of Jewish chapel. Student (*left*) reads from prayer book as rabbi (*right*) holds scroll of the sacred Torah before a joint assembly of Orthodox and Reform Jews.

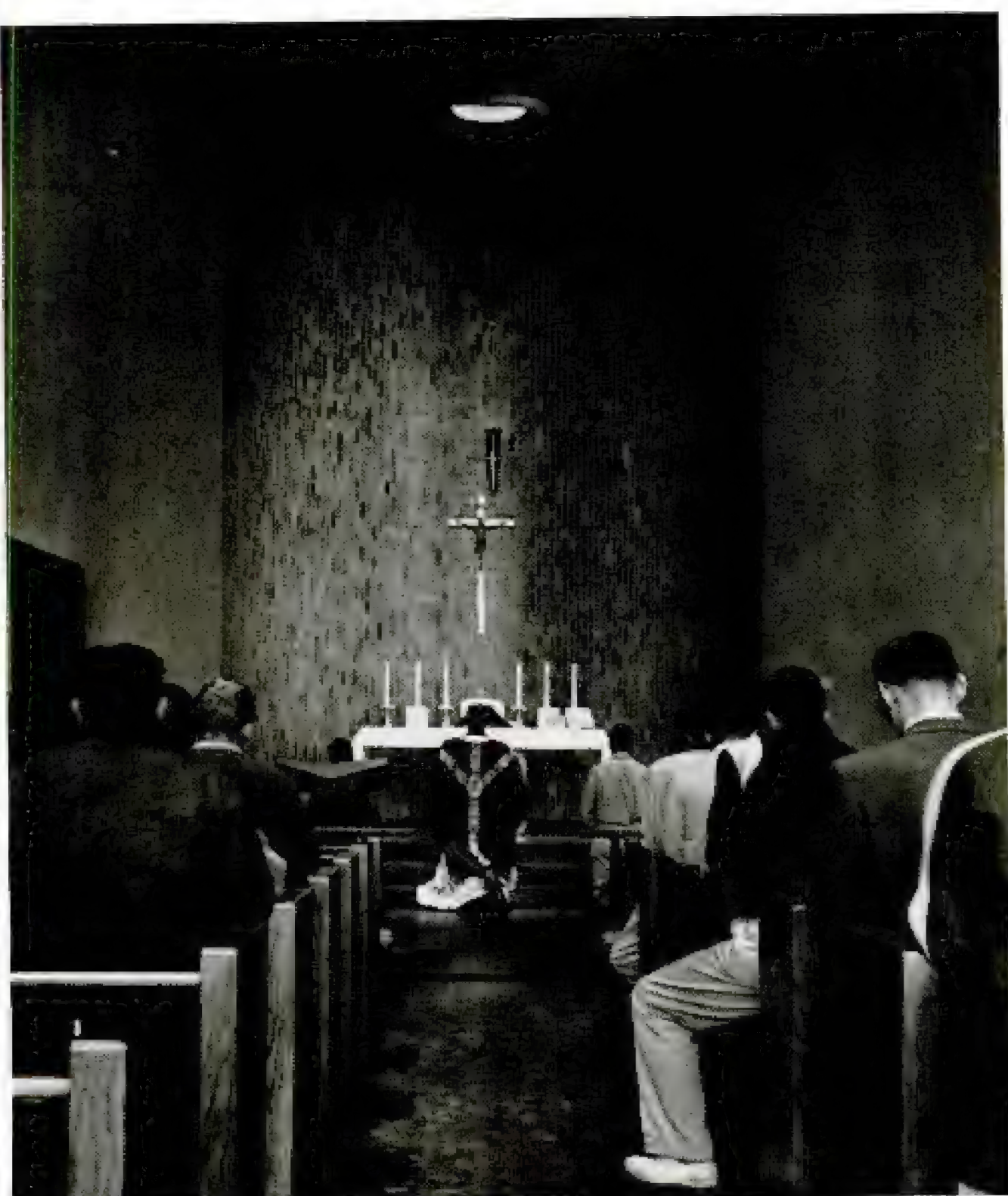


JEWISH GUEST, Mrs. Stanley Dreyfus, received degree awarded to her ailing grandfather, Dr. Leo Baeck, theologian and leader of worldwide Judaism.



GLASS WALL in Catholic chapel, unlike others, is at opposite end from altar. Otherwise its exterior is roughly similar to others in both size and shape.

CATHOLIC CHAPEL



WINDOWLESS WALL of dimly lit Catholic chapel is curved in the manner of a cathedral's apse. Like the Protestant chapel, it has a seating capacity of 60, but is furnished with the Catholic confessional and stations of the cross.



CATHOLIC PHILOSOPHER Jacques Maritain (at left) is awarded honorary degree by Abraham Feinberg, chairman of the board of trustees at Brandeis.

CONTINUED

The World's Most Honored Christmas Gift

Longines

THE WORLD'S *Most Honored* WATCH



*Ten World's Fair Grand Prizes
28 Gold Medals*

*Highest Honors For Accuracy
From Government Observatories*

*Official Watch For Timing
Championship Sports The World Over*

*The First Watch
Of Aviation And Exploration*



What joy—to receive a Longines watch on Christmas Day! On a Christmas gift, no other name means so much—in world prestige, in pride of possession, in the promise of long years of faithful service. ¶ *The world's finest quality alone made Longines the world's most honored watch.* ¶ *Quality is a costly commodity. But happily, in a watch the best costs little more. And every Longines watch, for as little as \$71.50 or as much as \$1000, is made to the unique standard and styled in the unique good taste that one associates with finest quality.* ¶ *Your Longines-Wittnauer Jeweler will be honored to help you choose your Longines, the world's most honored watch, the world's most honored gift.*

Longines watches illustrated: left—Starlight E-A 36, 14K white gold, 28 round and 8 baguette diamonds, \$550; right—President Wilson R, 14K gold case, \$150. Longines diamond watches priced from \$125. Other Longines watches from \$71.50.

Longines-Wittnauer Watch Company

SINCE 1866 MAKER OF WATCHES OF THE HIGHEST CHARACTER

material

SPOTLIGHT SPECIAL!

Only
\$159⁹⁵*
EASY TERMS

Youngstown Kitchens announces this truly beautiful DeLuxe 54" Cabinet Sink at a sensational pre-war price!

See it now. It's the greatest kitchen sink value in 15 years!

It's finished in lovely, smooth Star White . . . in easy-to-clean baked-on enamel. It's built of sturdy steel — won't warp, rot, swell, splinter or absorb odors. The roomy no-splash bowl and wide no-tip drain-

boards are all-steel, finished in durable, acid-resisting porcelain enamel. And it gives you over 14 cubic feet of storage space, five smooth-sliding drawers—even a partitioned and lined cutlery drawer and a built-in soap-box rack.

It's at your dealer's now. See it today!



DeLuxe chrome-plated mixing faucet and convenient flexible rinse spray, for rinsing vegetables and dishes. Carries a 5-year parts warranty.



Hardwood cutting board is removable. Handy for chopping, slicing, or attaching food grinder. Slides out of sight when not in use.



STEEL
Youngstown Kitchens

MULLINS MANUFACTURING CORPORATION • WARREN, OHIO
World's Largest Makers of Steel Kitchens

FOR NAME of nearest dealer, check the yellow pages of your phone book; or call Western Union, Operator 25. Or write Youngstown Kitchens, Dept. LF-1155, Warren, Ohio

*Slightly higher in the West
© 1935 Mullins Manufacturing Corporation



Harry and I have news for

You Special folks who have our Special Book...

(AND ONLY 1 PERSON IN 10,000 HAS A COPY!)

If you got a copy of this little book in the mail just lately, it's likely you're the only one in your whole neighborhood who did. Or maybe even your whole town.

Now that's not because we're snooty, or trying to save on postage stamps or anything like that. It's because the Christmas Gifts hiding on the inside pages are rare as soprano bullfrogs. You won't find these in stores any more than you'll find genuine mink coats at the 5 & 10. And even tho' we mail out just a limited number of these books to our friends every year, we still never have gifts to go around!

NOW SOME FOLKS SAY, "If you fellows didn't go fishing so much, you'd have more time for more of your special gifts." But that's not so. We could work our heads to the bone, 365 days a year at least, and we still couldn't make more. That's because our partner, Mother Nature, just won't cooperate.

OUR ROYAL RIVIERA PEARS*

YOU NEVER SAW THE LIKES OF THESE IN ALL YOUR LIFE. BIG WHOPPERS SO JUICY YOU EAT 'EM WITH A SPOON. SO RARE HARDLY 1 MAN IN 1,000 HAS EVER TASTED ONE, TO SAY NOTHING OF WOMEN. ONLY PLACE IN THE NATION THEY'LL GROW IS UP HERE

IN OUR BEAR CREEK COUNTRY. SO WE ALWAYS HAVE JUST SO MANY, AND NO MORE. YOU MIGHT THINK WE'D TAKE ADVANTAGE OF THIS AND GET RICH QUICK BY SELLING THEM FOR OUTLANDISH PRICES, BUT WE DON'T (IT'S MORE FUN GETTING RICH KINDA GRADUALLY)...

FOR EXAMPLE
YOU TAKE...



We sell our high falutin No.1 whopper box of these beauties, all prettied up fit to kill, and delivered anywhere in the U.S.A. for the measly price of \$3⁸⁵. Then you look at our famous

FRUIT-OF-THE-MONTH-CLUB* The gorgeous treats that members receive are mighty unusual and scarce, Mother Nature turns out just so much, then she blows the whistle.

Now some people think giving a membership in FRUIT-OF-THE-MONTH-CLUB costs about as much as a persimmon Cadillac with genuine diamond doorknobs. They're wrong. Club memberships stretch from as low as \$11⁶⁵ up to \$63⁹⁵ depending on how fancy you want to go.

SECRET OF OUR LOW PRICES... (WITH ALL GIFTS) IS WE GROW OUR OWN FRUIT, MAKE OUR OWN SPECIAL PACKAGES, WEAVE OUR OWN GIFT BASKETS, DO ALL THE WORK OURSELVES AND SHIP STRAIGHT FROM OUR BEAR CREEK ORCHARDS TO YOUR FRIENDS. THAT'S WHY FOLKS WHO GET THESE GIFTS FEEL MIGHTY EXCLUSIVE. THEY GET SO GRATEFUL AND THANKFUL AND GUSHY TO YOU FOR SENDING THEM, WHY YOU JUST NEVER HEAR THE LAST OF IT. SO NOW MAYBE YOU CAN UNDERSTAND WHY WE ALWAYS SELL OUT, YEAR AFTER YEAR.

NOW HERE'S THE NEWS for you friends who have our 1955 Christmas Book: Please hurry! Right away. Quick. Now. Hurry. Last year we had to turn down hundreds of orders... REALLY! Darn near broke our hearts but we had no choice. So if you want to get the gifts you want, with guaranteed perfect delivery...at down-to-earth prices, GET BUSY NOW.

Please!



Harry and David*

AT BEAR CREEK ORCHARDS OUT MEDFORD OREGON WAY

P.S. IF YOU DIDN'T GET A COPY OF OUR CHRISTMAS GIFT BOOK WE'VE GOT ABOUT 200 COPIES LEFT, WE'LL SEND 'EM FREE TO THE FIRST PEOPLE WHO WRITE, FIRST COME, FIRST SERVED. WRITE TO HARRY AND DAVID, BOX 20, MEDFORD, OREGON

* © H & D



I never thought it could happen to me!

(Based on Company File #905KAM9315-22)

A careful driver, I'd always said, isn't likely to tangle with a railroad train. But our accident changed my mind...

As we approached the crossing, I suddenly felt the rear end of the car sway. Like when you get a flat. I lost control of the wheel and we spun completely around!

Before I could stop, we were on the track. Engine stalled. And a train whistling at us!

You should have seen us scramble to get out! My son and I and friends who were riding with us.

Before we could get clear, the locomotive smashed into my car. Why we weren't all killed I'll never know. Only a miracle saved us.

An ambulance took us to a hospital where we were given first aid treatment and X-ray examinations. Luckily no serious injuries were found. The hospital released us that evening.

Meanwhile my Hartford Agent, 110 miles away in my home town, had been notified. He drove to the

hospital at once to aid us. Reached there just as we were about ready to leave.

You can bet I was glad to see him! Still pretty shaken by the close call we'd had, I needed his help. He had my wrecked car hauled to a shop... saw the Highway Patrol... completed the accident reports... handled a lot of other details. Then he brought us back home in his own car. I am certainly grateful to my Hartford man for all he did for us that day!

For the total loss of my car, Hartford Automobile Insurance paid me \$2,200. Our medical expenses of over \$200 were also paid. Even the railroad's claim against me was covered—\$770 for damage to the locomotive!

I have a new car now. And I guess I don't have to say that it's Hartford-insured. Why don't you see your Hartford Agent today—or tell your insurance broker you want Hartford protection when your renewals come up?



Year in and year out you'll do well with the

Hartford

Hartford Fire Insurance Company
Hartford Accident and Indemnity Company
Hartford Live Stock Insurance Company
Citizens Insurance Company of New Jersey... Hartford 15, Connecticut
New York Underwriters Insurance Company... New York 38, New York
Northwestern Fire & Marine Insurance Company
Twin City Fire Insurance Company... Minneapolis 2, Minnesota



SIMPLE EXTERIOR of the Protestant chapel, like the others, is devoid of religious symbolism. But behind the huge window can be seen a tall cross.

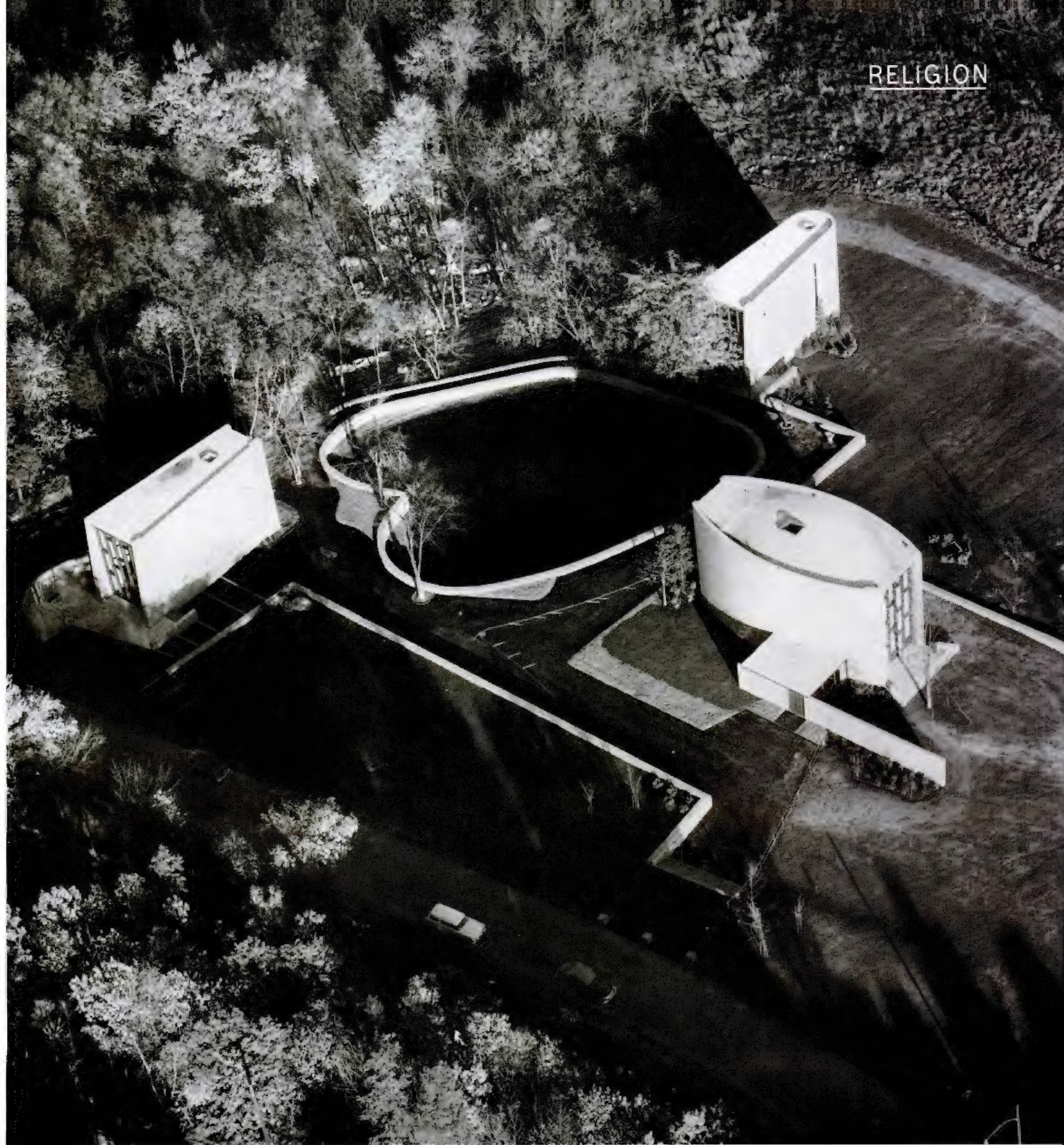
PROTESTANT CHAPEL



SUNLIT SANCTUARY, the Protestant chapel is so arranged that the congregation faces the great glass wall behind the altar. Made of marble, the altar is designed to serve also as a communion table. The chapel seats 60 people.



PROTESTANT FIGURES awarded degrees are Theologian Paul Tillich and Supreme Court Justice John M. Harlan, after whose grandfather, another Justice John M. Harlan, chapel was named.



GROUPED AROUND A POOL, CHAPELS ARE DESIGNED TO RESEMBLE PARTLY OPEN BIBLES. PROTESTANT CHAPEL IS AT LEFT, CATHOLIC AT TOP, JEWISH BELOW

THREE FAITHS IN HARMONY

Unique chapels, separate but related, serve Protestants, Catholics and Jews

In suburban Boston last month, interfaith harmony found a unique expression at a university which itself had been founded seven years ago as a unique experiment in education. On its 200-acre campus in Waltham, Mass., Brandeis University, the first Jewish-sponsored nonsectarian college in the U.S., dedicated a handsomely modern group of three new chapels (*above*), one Protestant, one Catholic and one Jewish, which provide separate but related facilities for each of the faiths.

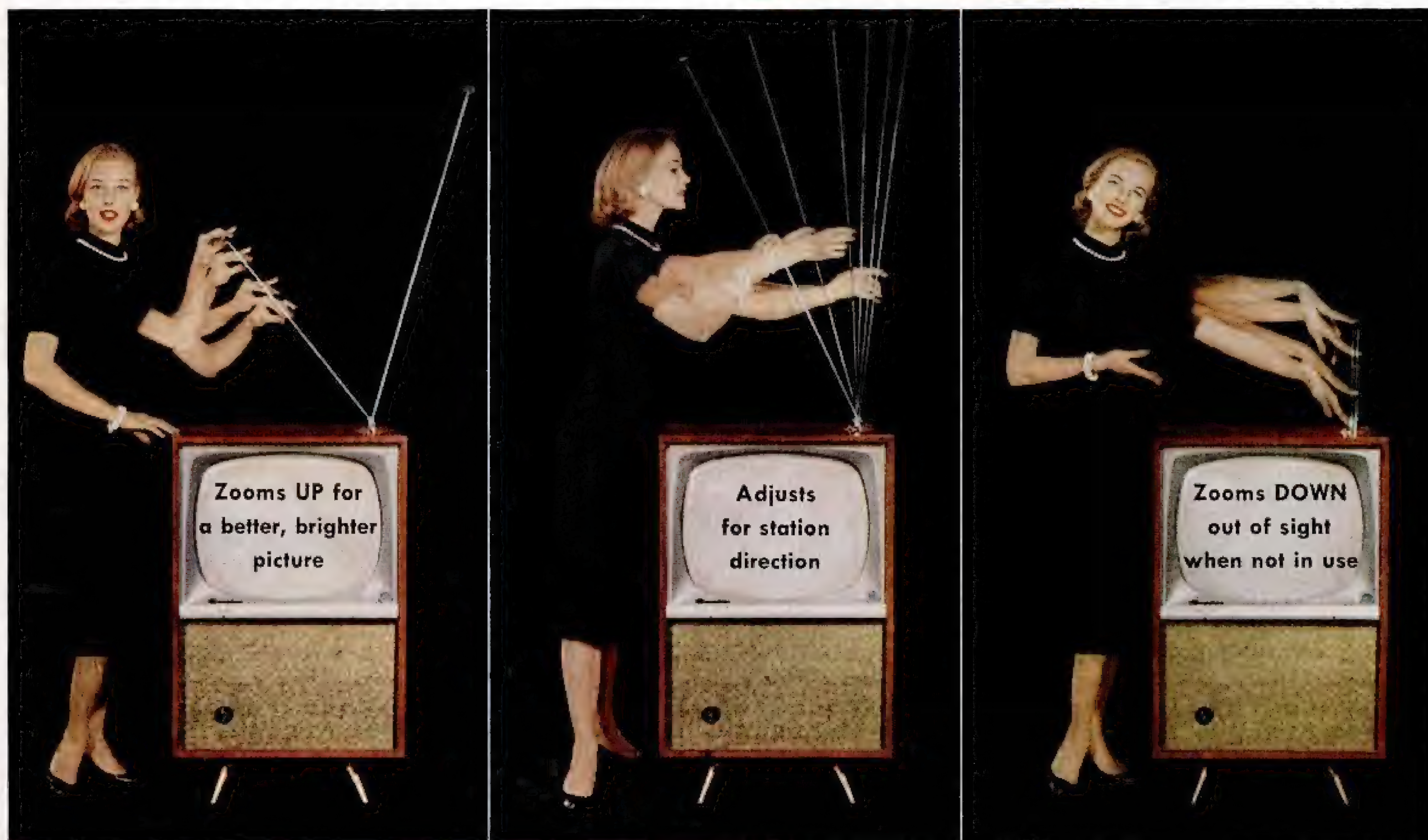
Designed as a unit by Architects Harrison and Abramovitz and erected

simultaneously, the chapels marked a bold departure from U.S. campus tradition, which prescribes either a single, nondenominational chapel or a variety of structures built over a period of time for different faiths. Brandeis celebrated the completion of its chapels with awards of honorary degrees to distinguished representatives of the three faiths. The meaning of the event was expressed by Brandeis President Abram Sachar when he said, "Here at Brandeis, please God, we shall each respect our own faith . . . and carry this respect with pride in the presence of each other. . . ."

NEW FROM CROSLEY

ZOOM-A-TENNA

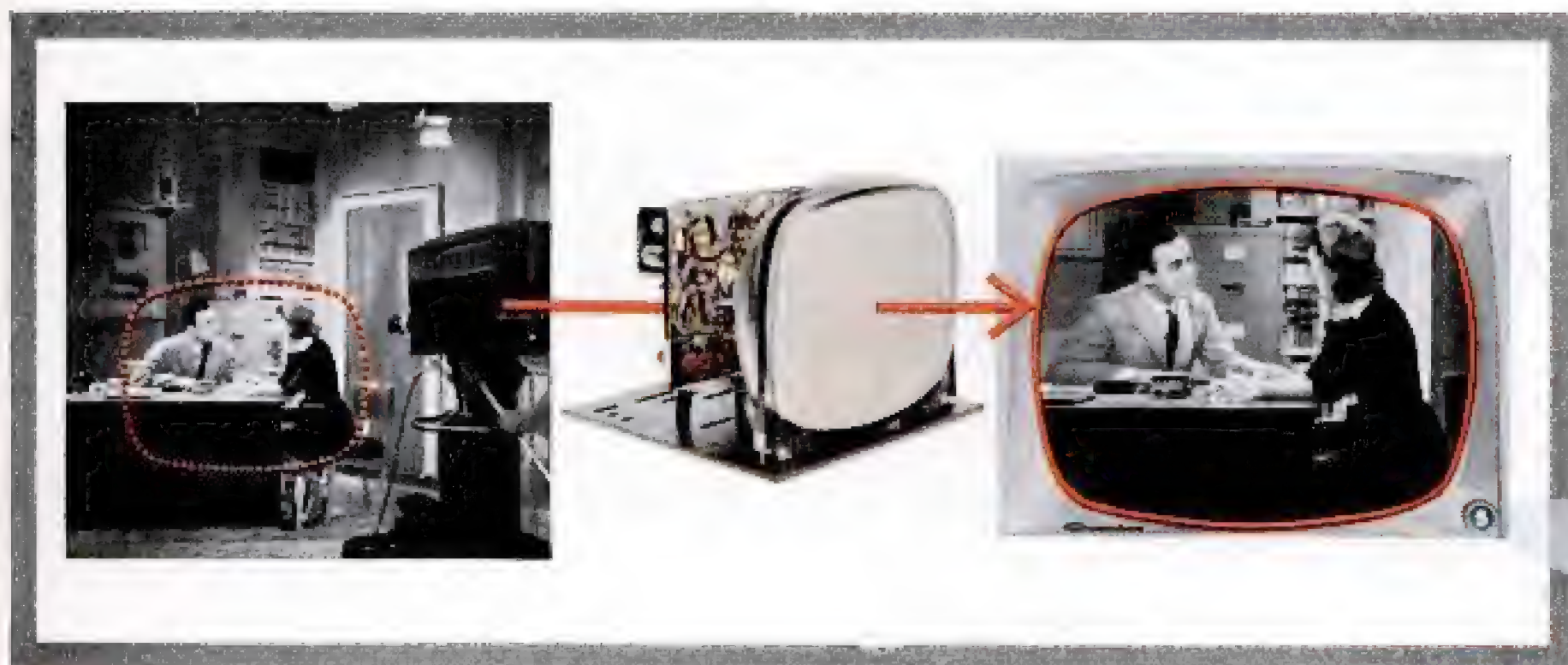
ANOTHER EXCLUSIVE FOR **TRUE VIEW** TELEVISION



Only from Crosley comes *Zoom-a-tenna*—the new Telescopic Antenna that gives you a Better, Brighter Picture than “built-in” antennas.

ZOOMS up for stronger pictures.
Adjustable length and direction for sharper tuning.
ZOOMS down out of sight when not in use.

And Crosley's exclusive new *Zoom-a-tenna* makes expensive outdoor antennas unnecessary for millions of homes.



Crosley's exclusive “7-league chassis” brings the studio right into your home

Only Crosley has it—this powerful receiver that reaches out far and wide—city or country—for the station you want *when* you want it.



Another Crosley exclusive: the always visible “TV eye”

You can see it from clear across the room—in daylight or dark. It tells you *instantly* the channel you're tuned to.

Crosley Custom V

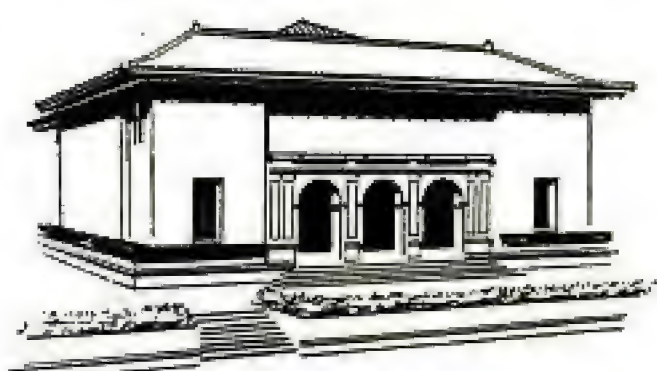
...WITH THE DIFFERENCE YOU CAN SEE!

Crosley Division, Cincinnati 25, Ohio



Crosley Radio and TV sets are sold and distributed in Canada by the Crosley Radio and TV Division of Moffats Ltd., Toronto, Ontario.

MUSEUM
DIRECTOR'S
CHOICE



SANTA BARBARA MUSEUM OF ART



Spirited Art of an Unknown Painter



MRS. ALA STORY.

This is the sixth in LIFE's series reproducing works of art which U.S. museum directors have chosen as their own favorites in their museums. The Buffalo Hunter (above), a painting produced between 1830 and 1840 by an unknown American artist, was selected by Mrs. Ala Story, head of the Santa Barbara, Calif. Museum of Art, who writes:

"There are any number of reasons I might give to explain why *The Buffalo Hunter* is my favorite. The composition, with its balanced triangular pattern, is captivating; the movement, in which the exaggeratedly thin legs of the

horse accentuate the dramatic encounter with the solid bulk of the buffalo, is alive and convincing. The subject itself could have influenced my choice because, as a child in Austria, I loved my mother's white horse and was fascinated by Indians which I had discovered in an encyclopedia. But in fact, I chose *The Buffalo Hunter* for one reason: the intangible element that makes a painting a work of art. Perhaps it is the artist's strength of spirit that causes mere design and subject to come to life. *The Buffalo Hunter* is more than a well-composed painting, more than a story of courage and adventure. It is an exciting experience!"



Four Roses + Four Roses + Four Roses =

a "dozen roses"



This year's most unusual Christmas gift...

Just the gift to delight the man who has everything. A "dozen roses," three regular (4/5 quart) bottles of America's favorite gift whiskey—Four Roses—packed in a handsome "florist's" carton. Each bottle is a smooth, mellow gift in itself.

Stop in at your favorite dealer's for this unusual gift—better do it at the earliest possible moment, for the supply is limited.

Holiday time is Four Roses time



FRANKFORD DISTILLERS CO., N.Y.C. BLENDED WHISKEY. 86.6 PROOF. 60% GRAIN NEUTRAL SPIRITS.



No other like it!

No need to add milk to new Carnation Chocolate Drink Discovery!

Complete with water! Delicious hot or cold! Mixes instantly

ALREADY IN IT—
all the protein, calcium and
B-vitamins of fresh, whole milk!



AND FORTIFIED, TOO!
with extra sunshine vitamin D,
vitamins B₁, B₂ and iron!

COMPLETE, INSTANT!
DELICIOUS HOT OR COLD!
A wonderful hot breakfast or
bedtime drink for the whole family!



FLAVOR CHILDREN LOVE! Nourishment children
need—in new Carnation **Magic Crystals**
Just add water—bursts into chocolate-creamy goodness!

HERE'S ALL YOU DO! Simply add these wonderful
new Carnation Instant Magic Crystals to water, hot or cold;
stir lightly. *Dissolves instantly*, even in ice-cold water!
No beating, no shaking! Ready to drink—*instantly*!

P. S. May be mixed with milk for double nutrition.

NO EXTRAS TO BUY — SAVES YOUR REGULAR MILK SUPPLY!

BETTY LOU KEIM SHINES IN SOBER ROLE

Having acted on Broadway and TV almost continuously since she was 7, Betty Lou Keim at the age of 17 has her first important dramatic role in *A Roomful of Roses*, by Edith Sommer. She portrays with a solid honesty the embittered victim of a broken-up home,

who finally recaptures her happy childhood. Betty, whose father is a choreographer and whose mother was a ballet dancer, is a busy senior at a high school for professional children, has time only for her acting, her studies, and an occasional treat (bottom).



NEW
BROMO QUININE®
GUARANTEES
YOU MORE
COMPLETE RELIEF
than any other
cold remedy!

Unlike aspirin and other less effective remedies, new Bromo Quinine is a *real* cold tablet. Its exclusive medicinal formula now contains an amazing new Citrus BioFlavonoid—plus the five potent cold-fighting ingredients that have made Bromo Quinine so famous. It now guarantees the most complete relief possible from all these cold miseries:

1. Runny or stuffy nose
2. Headache
3. Muscular aches and pains
4. Fever
5. Temporary irregularity

NEW BROMO QUININE—with a Citrus BioFlavonoid—is specifically designed to help relieve more cold symptoms than any other leading product.

**HERE'S NEW BROMO QUININE'S
AMAZING GUARANTEE:**

*If you have ever bought any cold remedy
—at any price—that brought you:*

- MORE COMPLETE RELIEF
- FASTER RELIEF
- LONGER-LASTING RELIEF

*... simply return the unused tablets and
your money will be promptly refunded.*



When you've got a real cold—
get a real cold tablet

BROMO QUININE



IN TELEPHONE SCENE WITH SELFISH FATHER, BETTY RANGES FROM ALOOFNESS TO SUDDEN HOPE TO HEARTBREAK



BETWEEN CLASSES AT SCHOOL, BETTY (RIGHT) MEETS HER FRIENDS AT A CORNER ICE CREAM PARLOR FOR LUNCH



When you're face to face
with trouble . . .



you'll be thankful for
the policy with the

P.S.*

*** Personal Service**

A figure darts out from between parked cars . . . hesitates . . . turns back too late. There's no time to swerve or stop completely. No time either, to change your insurance.

You'll be glad then that you have an Aetna Casualty policy — *the policy with the P.S.* that means *personal service* all along the line.

This includes the personal service your Aetna agent gives you in setting up your insurance in the first place — making sure *before* an accident that you have the kinds and amounts of coverage you need.

It includes also the personal service of your Aetna agent when you are in trouble — or if away from home, the personal service of thousands of *other* Aetna agents and claim service men from coast to coast.

No matter where you drive — the personal service of Aetna agents and Aetna's nationwide claim service organization is always as close as the nearest telephone — ready to give you prompt, capable help day or night — whenever you need it.

Don't take chances. Call your Aetna Casualty agent today and be sure you're well protected — by *the policy with the P.S.**

ÆTNA CASUALTY
AND SURETY COMPANY



Affiliated with Aetna Life Insurance Company • Automobile Insurance Company • Standard Fire Insurance Company • Hartford 15, Conn.



Signal for Black & White!

To signal for Black & White is to ask for the most popular and dependable Scotch Whisky in America. Its quality and character never change.



"BLACK & WHITE"
The Scotch with Character

BLENDED SCOTCH WHISKY 86.8 PROOF

THE FLEISCHMANN DISTILLING CORPORATION, N. Y. • SOLE DISTRIBUTORS



DIANE AS HELEN IGNORES ANDROMACHE'S APPEAL TO BEHAVE BETTER

DIANE IS A REGAL GAMIN

To act Helen of Troy, history's most destructive heartbreaker, Diane Cilento in *Tiger at the Gates* puts on a wig and regal airs which are at odds with her own gaminlike personality. Born 21 years ago in Australia, where her father, Sir Raphael Cilento, is an authority on tropical diseases, Diane lived in New York for a while, then moved on to London where she became an actress, married a writer, joined the cast of *Tiger*, and came back to New York with the play this fall.



DIANE IN GROCERY BUYS SNACKS WHICH SHE COOKS IN HER HOTEL ROOM

CONTINUED

This man
has a great
idea for
Christmas



LEFT TO RIGHT: "MAY BUCKLE" "BRIGHT LUCK" "FISHBONE" "DANISH PRINCESS"

Enchanting Silver Sampler gift certificate lets her choose her own pattern



This gay, velvety-red Christmas boot holds 4 demi-tasse spoons, each in a different pattern of the world's most precious silverplate . . . Holmes and Edwards *sterling inlaid*. You receive it without cost when you order a complete service for 8. The great idea is . . . *you can give her the joy of choosing her own pattern in the silver she'd love most to own* . . . 52 pieces set like jewels in a handsome chest. (The demi-tasse spoons are hers to keep to remind her how wonderful you are!) Pick up the Silver Sampler right now at your nearest store. The price of the set (including Sampler): \$84.50.

Holmes & Edwards sterling inlaid silverplate

The only silverplate with sterling inlaid at backs of bowls and handles of most-used pieces.

MADE ONLY BY THE INTERNATIONAL SILVER COMPANY, U.S.A.

When OVER-EATING brings on UPSET STOMACH



FOR QUICK RELIEF GET PHILLIPS' TABLETS

Any time you overeat, remember this—you never know when it's going to cause upset stomach, gas, heartburn or any other symptom of acid indigestion. So be wise—carry a pocket-size tin of Phillips' Tablets with you wherever you go. That way, you're *always* ready for fast relief—no matter when or where acid indigestion comes along. As pleasant to take as candy mints, peppermint-flavored Phillips' Tablets are made from one of the fastest, most effective stomach sweeteners known—and bring almost instant relief from acid indigestion. 30 tablets—28¢.

PHILLIPS'

MILK OF MAGNESIA

TABLETS



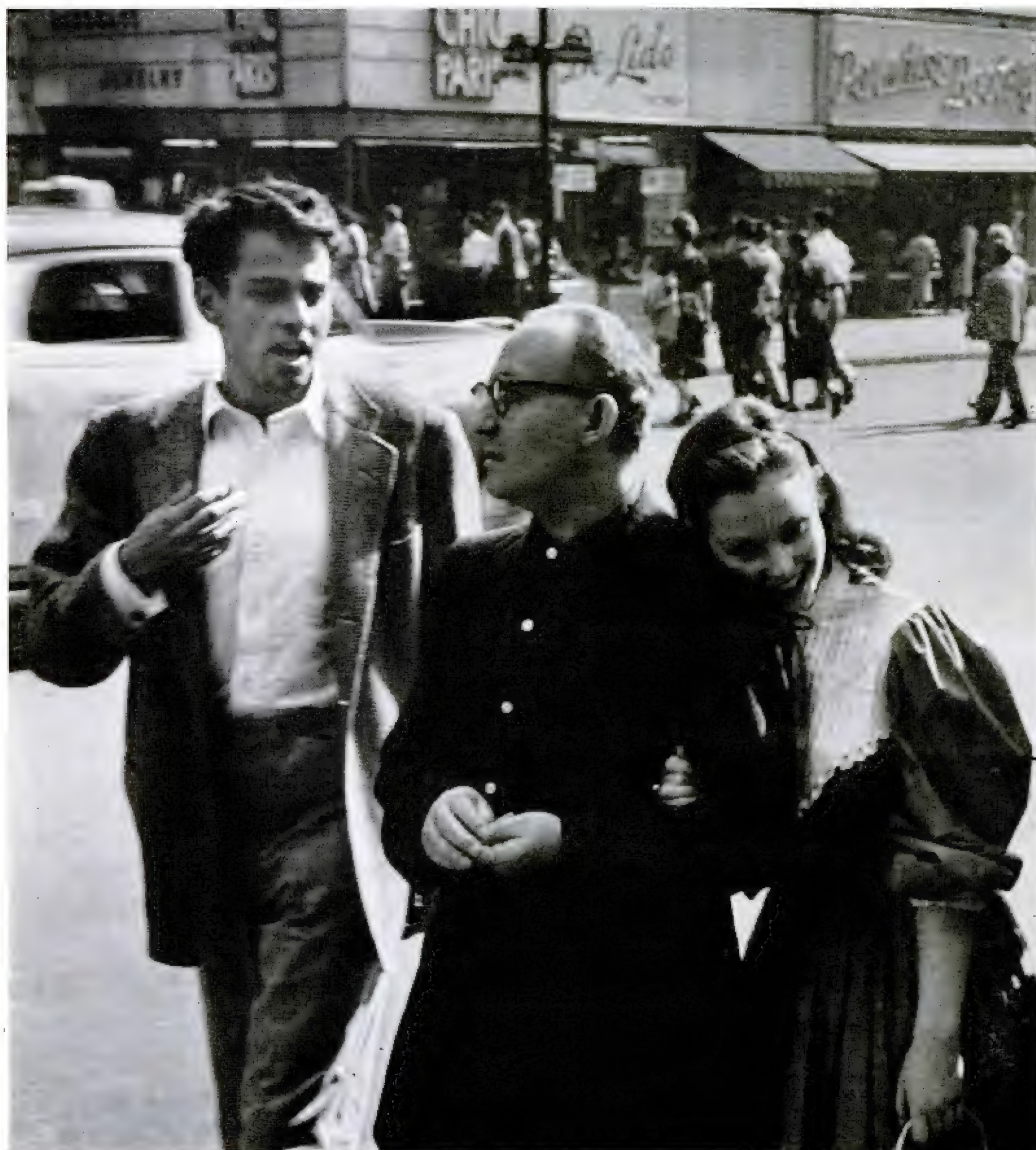
IN AGENT'S OFFICE SUSAN READS SCRIPT SUBMITTED TO HER



IN PLAY SUSAN HAS GAY MOMENT WITH FATHER

MOST SOUGHT AFTER IS SUSAN STRASBERG

Of all the young actresses on Broadway this season, Susan Strasberg, 17, attracted most attention for her fine job in *The Diary of Anne Frank* (LIFE, Oct. 17). She has a grave, elfin face that bursts into excitement, and an unconscious authority when she walks on stage. Daughter of a noted stage director and teacher, Lee Strasberg, Susan has grown up in a theatrical atmosphere. This summer Susan took on her first movie role in *Picnic* (LIFE, July 11), and this fall her first part on Broadway. Now she is being deluged with scripts to read for possible motion picture and television roles.



ON BROADWAY SUSAN RUBS AGAINST HER REAL FATHER'S SHOULDER AS HE CONVERSES WITH A THEATER STUDENT

CONTINUED

MAGICAL NEW **FLUORIDE** TOOTH PASTE

Saves Your Teeth from Decay

BY PREVENTING CAVITIES FROM FORMING!

Test after test
by Dentists
proved it!



FLUORIDE'S MAGIC DISCOVERED! Scientists noted a Texas town where almost no one had a cavity! The reason... a rare mineral in the water... Fluoride!



FLUORIDE'S MAGIC CAPTURED IN A TOOTH PASTE! Science has developed "Super" Amm-i-dent with Fluoride. Makes enamel so hard cavities can't get started.



TESTS PROVE IT! Tooth at left, unprotected from mouth acids, *eaten away*. Tooth at right, protected by "Super" Amm-i-dent with Fluoride, *no decay*.

**FIRST and ONLY Tooth Paste containing All 3
of the best decay-fighters known!**

1. FLUORIDE 2. AMMONIATED 3. ANTI-ENZYME 'SLS'

This is the most important dentifrice announcement in years! For it tells how dentists discovered the magic of fluoride... how they *proved* this amazing substance actually *saves teeth from decay!*

Fluoride's remarkable ability to prevent cavities was first noted in a tiny Texas town where there was almost *no tooth decay at all!* Why? Nature had blessed the water supply with fluoride.

A startling reduction in decay was also made when dentists began applying fluoride directly to teeth of children!

Now science has learned how to capture the magic of fluoride in a tooth paste... so every adult and child 6 or over, *everywhere*, can save teeth from decay this amazing new way!

Brand-new "Super" Amm-i-dent is the *first* fluoride tooth paste available to all America... and is the *only* tooth paste that gives you *all three* of the most effective decay-fighting ingredients known! (1) Fluoride, (2) Ammoniated, (3) Anti-enzyme 'SLS.' All three of these wonderful "decay-fighters" are now contained in this one new "super" tooth paste.

New "Super" Amm-i-dent works its magic all day long by *strengthening* permanent teeth—inside and out. It makes tooth enamel so much stronger that cavities couldn't even get started in case after case tested by dentists! To give you and your family this "super" protection against decay, get new "Super" Amm-i-dent today!



The brand new paste...
with the grand new taste
...in the new red carton!



"SUPER" AMM-I-DENT with FLUORIDE



LOIS SMITH ON STAGE, AS BLASE ADOLESCENT, SPURNS HER SUAVE SWAIN



LOIS AT HOME READS WITH HER HUSBAND, A PRINCETON GREEK TEACHER

LOIS SMITH DAZZLES AS A NEUROTIC SIREN

With a pale-faced intensity that is both touching and terrifying, Lois Smith, 24, gives a dazzling performance as a neurotic teen-ager in *The Young and Beautiful* (LIFE, Oct. 17).

Born in Kansas and educated at the University of Washington in Seattle, Lois is now the wife of an instructor in classical languages at Princeton and commutes to her Broadway job.



JUDY TYLER IN THE NEW MUSICAL, "PIPE DREAM," WEARS WEDDING VEIL AND SINGS BESIDE HELEN TRAUBEL IN COMIC PAGEANT BASED ON SNOW WHITE

SINGING JUDY TYLER HAS ROBUST CHARM

Judy Tyler, who is 23, was a little known TV and musical comedy singer until Rodgers and Hammerstein grabbed her for a major role as a love-hungry waif in their musical, *Pipe Dream*,

which opens on Broadway this month. She has a warm, throaty voice and breezy stage manner. Judy's father was a trumpet player and her mother an understudy to Marilyn Miller.

AFTER SHOW'S TRYOUT IN NEW HAVEN JUDY IS CONGRATULATED BY OSCAR HAMMERSTEIN (LEFT), SNITCHES FOOD FROM TRAUBEL, JOKES WITH FRIENDS



BROADWAY FOUNTAIN OF YOUTH

**Gifted girls, 17 to 24,
carry off stage honors**

Along with its cluster of good new plays, Broadway this season has welcomed a cluster of fine new actresses. Despite their youth—they range from 17 to 24—they all have taken on the burden of major roles, and, because of their youth, they are likely to have long, lustrous careers on Broadway.

As arrayed on LIFE's cover, they are Judy Tyler, Jayne Mansfield, Diane Cilento, Lois Smith and Susan Strasberg. They appear there in a theater box, but professionally they are all busy on the other side of the footlights. On these pages the five, plus another newcomer (p. 108), are shown at work and at ease.



IN PLAY JAYNE HUGS HER BEAU (ORSON BEAN)

JAYNE MANSFIELD IS A BASIC BLONDE

Jayne Mansfield, 22, dominates the stage in the new comedy, *Will Success Spoil Rock Hunter?* by George Axelrod, playing a blond movie star who wins her admirers more by magnetism than mentality. Jayne, who has an engaging stage personality, is just right in her role. Raised in Dallas, Texas, she got her start when a red bathing suit she wore at Silver Springs, Fla. attracted newspaper photographers and her picture in the paper attracted movie scouts.



IN NEW YORK JAYNE AIRS MEMBERS OF HER HOUSEHOLD: DAUGHTER, GREAT DANE AND CHIHUAHUA



Let WHITE HORSE carry you smoothly through the cocktail hour

*It's pre-war quality Scotch whisky.
Still not quite enough to go around
—but most good places have it.*



Look for the Quality Control
Code on the label—your assurance
of pre-war quality.

LENDED SCOTCH WHISKY, 86.8 PROOF. SOLE DISTRIBUTORS: BROWNE VINTNERS CO., INC., NEW YORK, N. Y.



New, compact G-E Spacemaker range with huge oven and other big-range features

(Takes 16 inches less room than a full-size range)

You can cook a meal for 24 . . . bake four cakes on 1 shelf in G.E.'s big, wide-opening, floodlighted master oven. Indicator light shows when oven is on or preheated.

Sizzling steaks, hamburgers taste twice as good cooked with G.E.'s charcoal-type "Focused Heat" broiler. Calrod® bake and broil units slide out for easy oven cleaning. Fully enclosed. No obsolete, old-fashioned open coils.

Silhouetted pushbuttons flick on, off at a touch, make cooking so easy, even when your hands are full, or wet. There's a pushbutton for the exact cooking heat you need.

And cooking is so fast with the Spacemaker. Every Calrod cooking unit gives you speedy starts. One is EXTRA-Hi-Speed. Units are self-cleaning, and drip pans lift out for easy cleaning at the sink.

Oven timer "watches" meals. Just two simple clock settings. Heat goes on. Food cooks. Heat goes off . . . without attention. As safe to leave as your electric refrigerator.

All this, and color, too! The luscious canary yellow pictured in the range at the left is just one of the new G-E Mix-or-Match colors. The others . . . satin white, turquoise green, petal pink, cadet blue and woodtone brown are shown in the color-wheel.



And here's more welcome news: you can buy other G-E major appliances, Textolite® counter tops, and cabinets in exactly the same glowing colors as your new G-E range.

See your G-E dealer for all the wonderful details. He's in the classified phone book. General Electric Company, Louisville 1, Kentucky.

Be modern . . . cook electrically.

Speed-Cooking ranges . . . so safe . . . so clean . . . so dependable

GENERAL  ELECTRIC



ORDER NOW FOR CHRISTMAS

give World Book

AMERICA'S LEADING ENCYCLOPEDIA



ARISTOCRAT BINDING \$169
\$10 down, \$6 a month



PRESIDENT RED BINDING \$129
\$10 down, \$6 a month

ORDER NOW!

1st in sales!

You can order World Book this convenient, time-saving way with complete assurance that you've chosen the finest. With all reference works to choose from, more families—year in and year out—buy World Book than any other encyclopedia! There's no finer gift—and no finer time for giving The World Book Encyclopedia.

MY ORDER FOR THE WORLD BOOK ENCYCLOPEDIA

Field Enterprises, Inc., Educational Division
Merchandise Mart Plaza, Chicago 54, Illinois

CHECK ONE . . .

☐

Please send the Ivory, Aristocrat Binding.
Price \$169.00 plus tax and transportation.

☐

Please send the President Red Binding.
Price \$129.00 plus tax and transportation.

Please send me one set of the World Book Encyclopedia. I am enclosing a check or money order for \$10.00, and agree to pay the balance at the rate of \$6.00 per month. I hereby certify that I am of legal age.

SIGNATURE _____
(WRITE—DO NOT PRINT)

MAIL ADDRESS _____
STREET AND NUMBER

CITY _____ STATE (IN FULL) _____ COUNTY _____

SHIP BOOKS TO NAME _____
Mr. Mrs. Miss (PRINT CLEARLY)

STREET AND NUMBER _____

CITY _____ STATE (IN FULL) _____

Here's How Bayer Aspirin Helps Millions **FEEL BETTER FAST!**



THE SEASON FOR COLDS—Dropping temperatures, rain storms, and snow and slush mean that the season for colds is here. They also mean you should have Bayer Aspirin handy . . . for the thing to do at the *very first sign* of a cold is to take two Bayer Aspirin tablets. This not only relieves cold discomforts, but also reduces fever. It makes you feel better—*fast!*

FOR QUICK RELIEF, millions more people use Bayer Aspirin than any other pain reliever—*without stomach upset!* You can take Bayer Aspirin with *full confidence*—because no one has ever discovered a safer, faster and more effective pain relieving agent. So, to feel better fast—get

BAYER ASPIRIN



KIDDIE KRAFT
fine jewelry

- 12 KT. G.F. \$4.75*
- 10 KT. GOLD \$4.25*
- 10 KT. GOLD \$7.50* CULTURED PEARL
- 10 KT. GOLD \$5.50*
- 12 KT. G.F. \$3.25*
- 12 KT. G.F. \$5.00*
- 12 KT. G.F. \$5.00*

MADE ONLY IN fine Gold-Filled Sterling—10 Kt. Gold

AT YOUR LOCAL RETAIL JEWELER

Look for the Name **KIDDIE KRAFT**

*plus tax

WRITE FOR FREE CATALOG MARATHON CO., ATTLEBORO, MASS.

for **CHRISTMAS** for **BIRTHDAYS** for **ALWAYS**

Attractively Gift Packaged

ETHIOPIA CONTINUED



COURTIER in the dress of olden times strolls outside the cathedral waiting for the imperial family's arrival. His costume is that traditionally worn by the lord chamberlains in the service of the throne.



WARRIOR in gala dress traditional in the country wears a lion's mane cape and headdress. While the army is being modernized, spears, shields and glittering saddlery are still pride of the fighting tribesmen.



THE ABUNA Basillos, the archbishop and head of the official state religion, presided at the silver jubilee church service. He is only man in the country to whom as a mark of reverence the emperor bows.

CONTINUED

What's New in Colgate Dental Cream that's **MISSING-MISSING-MISSING** in every other leading toothpaste?



*It's GARDOL—To Give Up To
7 Times Longer Protection
Against Tooth Decay
...With Just One Brushing!*

GARDOL Makes This Amazing Difference!

**MINUTES AFTER
BRUSHING WITH ANY
TOOTHPASTE**



**DECAY-CAUSING
BACTERIA RETURN TO
ATTACK YOUR TEETH!**

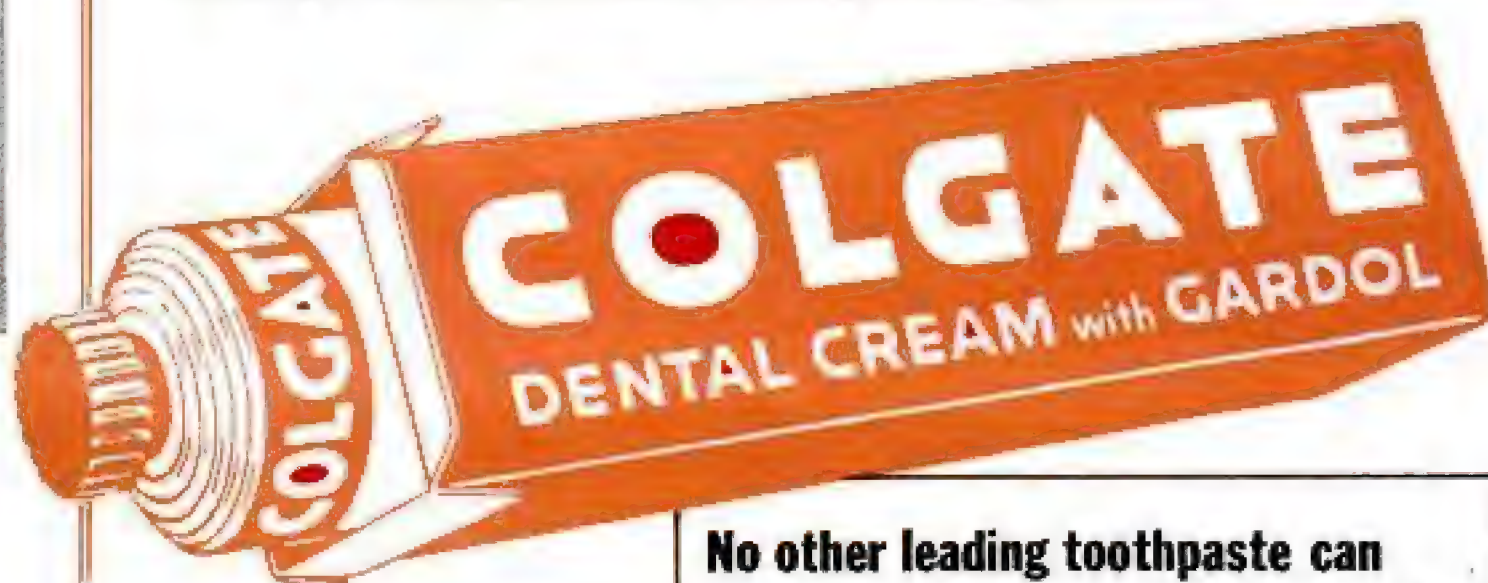
**12 HOURS AFTER
ONE COLGATE BRUSHING
GARDOL IS**



**STILL FIGHTING
THE BACTERIA THAT
CAUSE DECAY!**

Any toothpaste can destroy decay- and odor-causing bacteria. But new bacteria come back in minutes, to form acids that cause decay. Colgate's, unlike any other leading toothpaste,* *keeps on* fighting tooth decay 12 hours or more!

Thus, morning brushings with Colgate's help protect all day; evening brushings all night. Because the Gardol in Colgate's forms an invisible, protective shield around your teeth that lasts for 12 hours with just one brushing. Ask your dentist how often you should brush your teeth. Encourage your children to brush after meals. And at all times, get Gardol protection in Colgate Dental Cream!



**No other leading toothpaste can
give the 12-hour protection against
decay you get with Colgate's with
just one brushing!**

Cleans Your Breath While It Guards Your Teeth

*THE TOP THREE BRANDS
AFTER COLGATE'S.

ETHIOPIA

CONTINUED

CHRISTIAN SAINT, St. Michael, is depicted in a 375-year-old mural on the door of church compound in town of Gondar. The vicar stands in the doorway. Ethiopian Christianity, introduced in the Fourth Century by Egyptian Copts, differs from Western belief by emphasizing divinity of Christ more than His humanity.





valleys of dreadful depth that cut thousands of feet below the surrounding country, but also sheer upward in fantastic rock summits. This land, cut off

from the outside world on all sides by deserts and sheer mountain walls, is one of the richest agricultural areas in the arid region adjoining the Red Sea.

CONTINUED



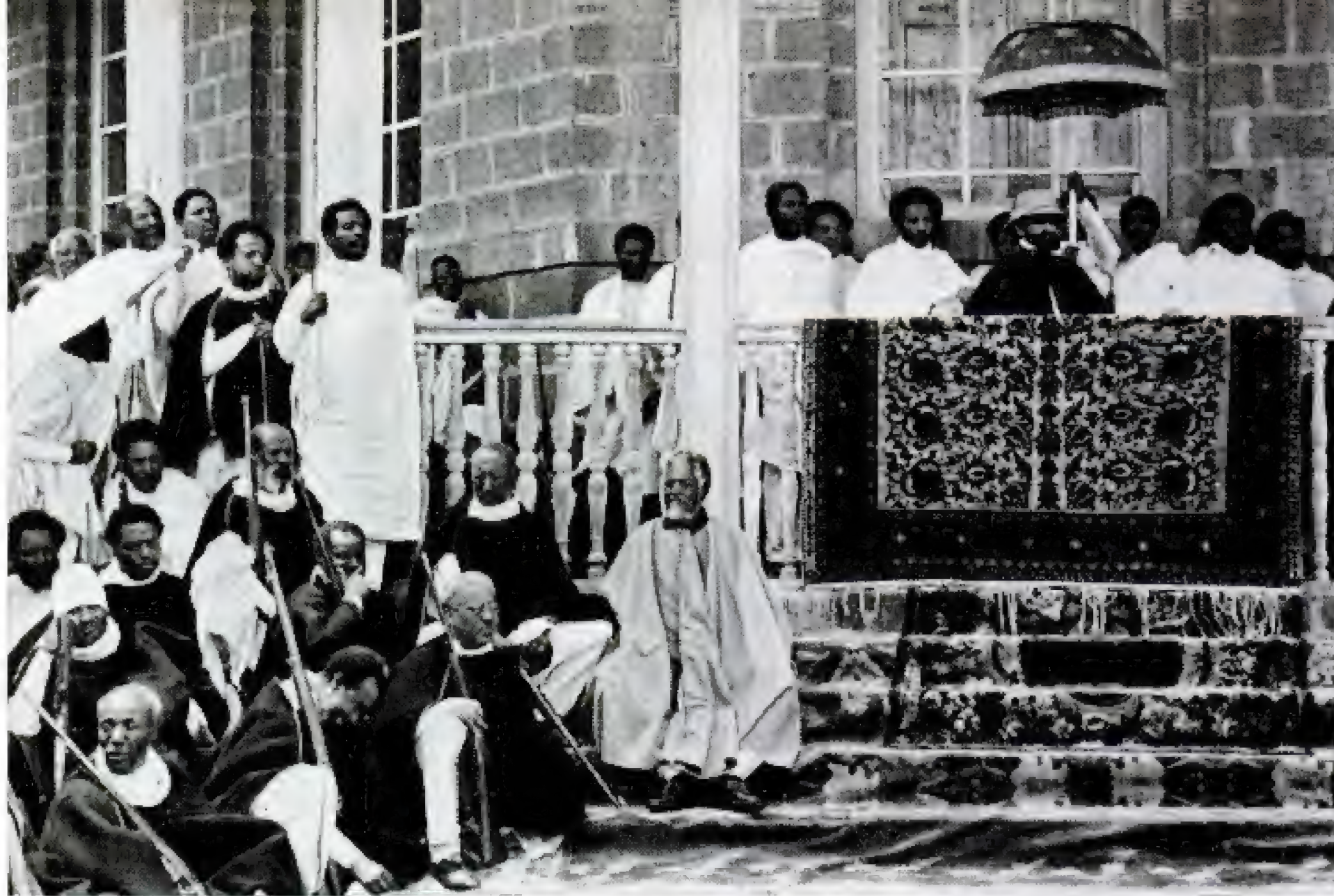
ETHIOPIA'S HEARTLAND, seen from an airplane flying from Gondar to Dessye, is a cool, fertile plain averaging 7,500 feet above sea level dotted with clusters

of *betes*, the windowless hutments of the ordinary folk, which are linked by tortuously winding roads. Everywhere the plain is sliced by plunging canyons,

RULER'S POMP AND PROGRESS

Haile Selassie I seems always out personally working to change Ethiopia. When streets are to be paved, he swings the first pick. He lays cornerstones, dedicates buildings, keeps after projects until they are well launched.

But while pushing his people into a new age the emperor is careful to observe old traditions. He moves about in regal splendor designed to build enthusiasm among his people. Because Ethiopians believe that for royalty "sitting is a secret thing," a screen is placed in front of the emperor's chair before he takes it. The screen is taken away after he has sat down.



IN 1935 EMPEROR ATTENDED ST. GEORGE'S DAY RITES UNDER ROYAL UMBRELLA WHICH HE HAS SINCE DISCARDED



FAMILY GROUP sits at ease while watching army games. With the emperor are his three sons (*seated left of throne*), five grandchildren (*around his feet*) and high officials of the government of Ethiopia.

A CELEBRATION brings the emperor and Empress Menen to Old Ghebbi (Old Palace) for a diplomatic reception marking their return to Ethiopia in 1941 when the British forces chased out the Italians.

VEILED CHAIRS on the terrace at a new Y.M.C.A. building are for the imperial couple who are to dedicate structure. Screens will be removed after they have taken their places. Then tea will be served.







OLD SQUARE in midtown Addis Ababa in 1935 was ringed with old ramshackle buildings. Traffic consisted largely of droves of cattle and horse-drawn carts, although a few official cars were in evidence.



SQUARE TODAY (right), Haile Selassie I Square, is paved, lined by new buildings and carries bustling traffic of foot- and bus-borne people. There are stop lights and policemen to keep the traffic in hand.

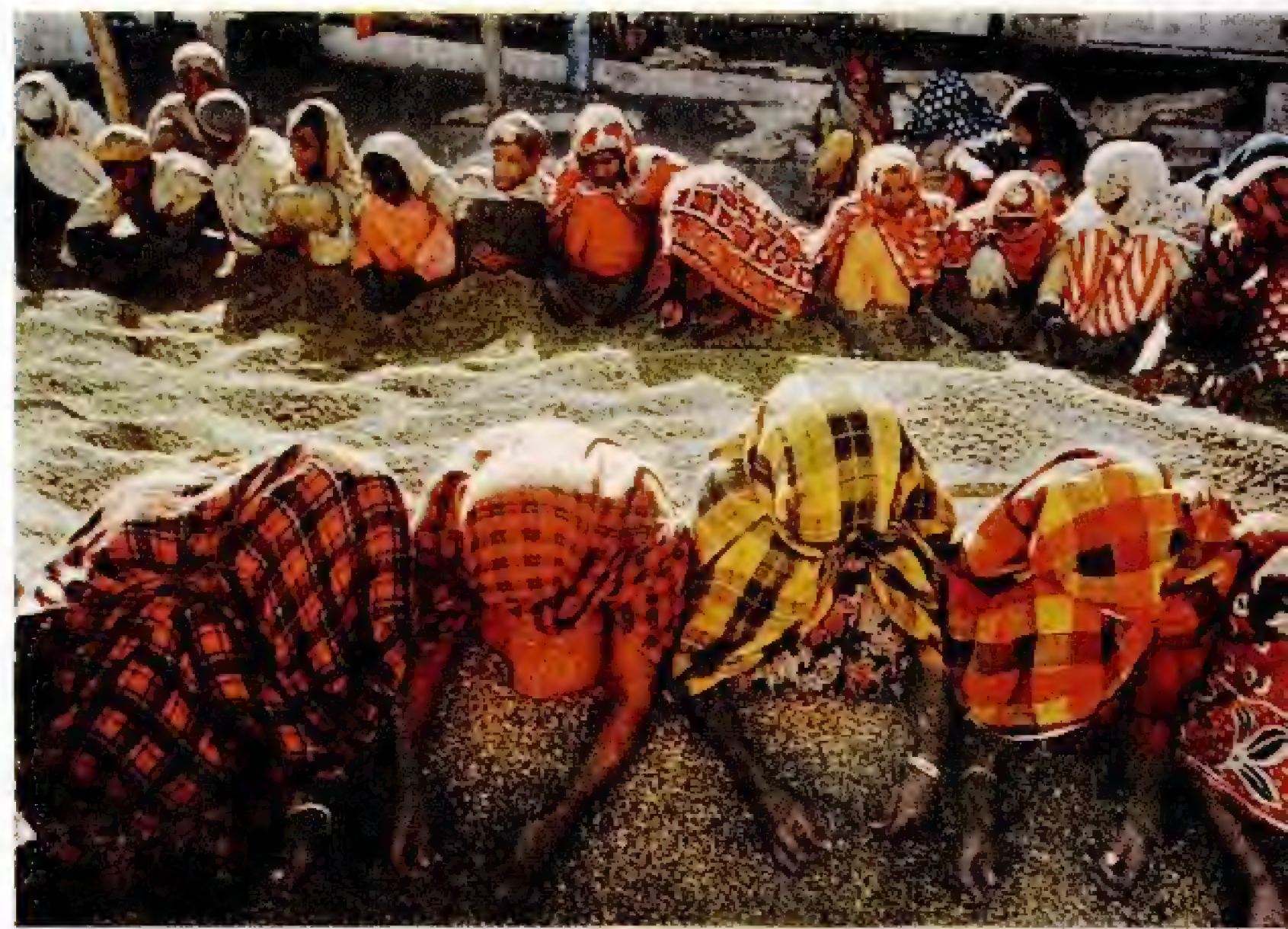


BRIGHT ROAD UPWARD

Modernity is overtaking Addis Ababa even though hyenas still creep into the capital by night to raid for garbage and the air is redolent of eucalyptus branches burning in a thousand cooking fires. Ragged Haile Selassie I Square has vanished; in its place is a modern square that looks as if it had been lifted right out of an American town. New airlines and more than 2,500 miles of paved roads, many of them built by the Italians during their occupation, connect the city with agricultural and mineral regions which are potentially the richest in the Middle East.

Ethiopia seems to acknowledge no obstacles to progress. An American air adviser remembers being sent into the rugged country near Harar to find a site for an airfield. He finally suggested the least "impossible" site he knew and forgot about it. He thought the emperor had too, until a traveler called on him one day and said, "I wish you could see what is going on near Harar. They've got about 1,000 men working in shifts with hand tools down there and they are moving a couple of mountains."

But the difficulty of overlaying modern ways in the ancient land was brought out when a plane, forced to fly past a scheduled stop, landed at another airport 20 air minutes away. It took the passengers for the by-passed town four days on muleback to get back to their destination.



WATER CARRIERS (at left) labor up a hill above crater lake near Bishoftu with their big jugs. The Bishoftu area is both an air force training center and a vacation spot for Addis Ababa's well-off.

COFFEE SORTERS, tribal women wearing different traditional costumes, gossip at their work and frequently break into a high wailing song in Arabic. Coffee is Ethiopia's most important export product.

CONTINUED



NEW FORM of transport (left) is adopted by Ethiopians at Bahrdar, boarding U.S.-built plane which flies rugged terrain. Planes also carry fantastic cargo like rancid butter and *kat* leaves, used as stimulant.

OLD WAY of travel, here photographed in 1935, is the railroad running from Addis Ababa to the coast. Even here the postwar improvements have cut running time for 486-mile trip from three days to two.







EISENSTAEDT AND THE EMPEROR—1935



EISENSTAEDT AND THE EMPEROR—1955

Ethiopia, 20 Years After

ON HIS SECOND JOURNEY A PHOTOGRAPHER FINDS AN ANCIENT LAND ASTIR

On the eve of the Italian invasion of Ethiopia 20 years ago, Photographer Alfred Eisenstaedt visited Emperor Haile Selassie I (*above, left*) in his capital at Addis Ababa. It was a trip into the past, to a land that had drowsed for 3,000 years in feudal isolation, the land of a "king of kings" who claims descent from King Solomon and the Queen of Sheba. Eisenstaedt found the slight, unbending monarch, Haile Selassie, feverishly mobilizing horse and donkey trains and barefoot armies for the war with Italy that was to end in his tragic defeat and exile. The pictures he took then, widely printed in Continental and American magazines, made photographic history.

This year Photographer Eisenstaedt again visited the emperor (*above, right*), long since restored to his throne in Addis Ababa. Eisenstaedt again found the capital in a state of feverish preparation. But this time it was joyous preparation for a triumphant occasion—the 25th anniversary celebration of Haile Selassie's coronation.

On these pages, the Ethiopia Eisenstaedt saw 20 years ago is pictured alongside the land he found on his recent visit. In 1955 hammering echoed everywhere. New wings were being added to hotels to help house the 4,000 distinguished foreign guests expected in the capital for the celebration. At the palace the throne room was being enlarged for the ceremonies to come. Economically Ethiopia seemed to be lifting itself up by its own bootstraps and the 20th Century was moving in on the ancient kingdom from all directions. And strolling along paved streets that he had known as ankle-deep mud paths, Eisenstaedt noticed a startling fact: the ragged, barefoot troops of 20 years ago today are handsomely clad and very well shod.

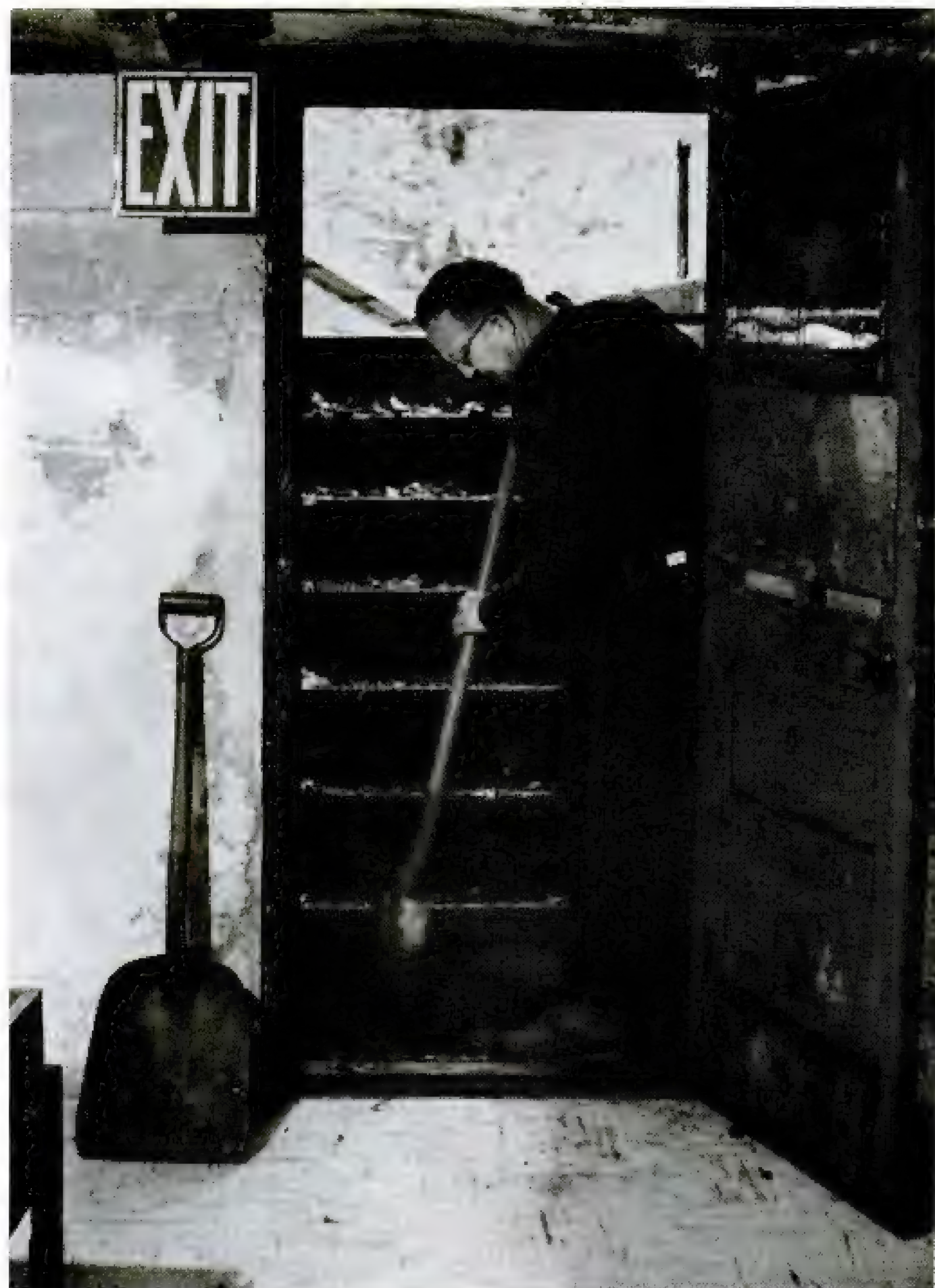


Photographed for LIFE
by ALFRED EISENSTAEDT

BAREFOOT ARMY OF 1935, summed up in famous Eisenstaedt photo, fought in puttees and bare feet.

WELL-DRESSED ARMY OF 1955 rests on football field. These are imperial guards, pick of the troops.

DADS DRAW EXTRA DUTY



CLEANING UP school, a converted dwelling owned by parents since 1947, Marvin Gilman performs one of housekeeping chores assumed by the fathers.



CHECKING UP, Dr. A. Victor Landes, also a father, examines Jonathan Karpoff's throat. For small fee, he daily checks morning and afternoon classes.



Only Gilbert

AMERICAN FLYER has

true railroading realism!

Nothing equals the excitement of model railroading—American Flyer style! Mighty steam locomotives flashing along the straightaway, whistling for grade crossings, puffing red glowing smoke... sleek Diesel streamliners pulling long passenger limiteds smoothly, swiftly. With American Flyer it's more *fun* because every train is an exact scale model of the real thing. They run on real 2-rail track, too, and have powerful worm-drive motors. Sets priced from \$19.95,* with track and transformer.

New for '55!

American Flyer No. 5510T "Mountaineer" freight. Complete with smoke, choo-choo sound effects, Pull-Mor Power, track, transformer...

only \$29.95*

*Slightly higher Denver and West



ONLY AMERICAN FLYER HAS ALL THESE REALISTIC FEATURES!

SCALE-MODEL REALISM! Every 3/16" equals one foot of real train.

2-RAIL, FLAT-TOP TRACK! Like the kind real railroads run on.

REAL SMOKE AND CHOO-CHOO! Both timed to the action of the locomotive wheels.

RUGGED PULL-MOR POWER! Nothing like it anywhere for extra hauling power.

See Brand-New-For-'55 American Flyer Trains at your dealer's today! Made by A. C. Gilbert, manufacturers of famous Erector Sets

Send for this **DOUBLE-VALUE OFFER!**

192-page book: *How to Build and Operate a Model Railroad*. Hundreds of illustrations. A wealth of ideas on how to plan and build your own railroad.

Brand new full-color American Flyer catalog. Shows you every train, all accessories, 44 pages.

Both Only 25c—Write Today
(or catalog, only 10c)

Gilbert Hall of Science, Dept. 21
Erector Square, New Haven 6, Conn.

☐ I enclose 25c. Rush both big train books.
☐ I enclose 10c. Send catalog only.

Name _____

Street _____

City _____

Zone _____

State _____





Known by the Company it Keeps



Seagram's VO

SEAGRAM DISTILLERS COMPANY, NEW YORK CITY. 86.8 PROOF, CANADIAN WHISKY—
A BLEND...OF RARE SELECTED WHISKIES • SIX YEARS OLD

Keep your Chevrolet Dependable



Dependability is built into your Chevrolet part by part!

Dependability means trouble-free operation in sub-zero temperatures or in sizzling summer heat. Take the piston shown above. The melting point of most piston materials is about 1200°F. Yet, this piston must travel up and down as much as 70 times a second in a medium where temperatures sometimes reach 4500°F! It must be built right to perform right.

So when you replace a piston—or any other Chevrolet part—insist upon parts made of the same top-quality materials and

with the same uncompromising standards of workmanship and precision as the original, factory-installed parts. To be sure, ASK FOR GENUINE CHEVROLET PARTS. Keep your Chevrolet dependable—mile after mile—with genuine Chevrolet parts, installed by your Chevrolet dealer and leading independent servicemen everywhere!

YOUR CHEVROLET DEALER



Made to Fit Right . . . Function Right

AVAILABLE WHEREVER YOU GO

Munsingwear T-shirt

*has the
neckband
that can't
sag!* →

\$.50

Comfort-knit
Shorts \$1



*Pull it... stretch it... Wash it... Wear it
...it never loses its shape and fit!*

Neckband nylon-reinforced to keep its shape forever

The Munsingwear T-shirt is the nation's best seller because its patented neckband stays flat, trim and good looking. That's one solid reason for its popularity. There's another: it long outwears lesser brands... because it is knit of premium combed cotton. Sizes 34-46, \$1.50. Sizes 48-50, \$1.85.



*The big green T flags your best T-shirt buy
Guaranteed not to shrink out of fit*

Ask for Munsingwear men's and boys' underwear, sleepwear, socks and sports shirts. Manufactured and sold in Canada by Stanfield's Ltd., Munsingwear, Inc., Minneapolis 5, Minnesota.

PRESCHOOL POPS CONTINUED



SLIDING, Dick Kileullen and his daughter Elizabeth ride down the board during "free play" period.



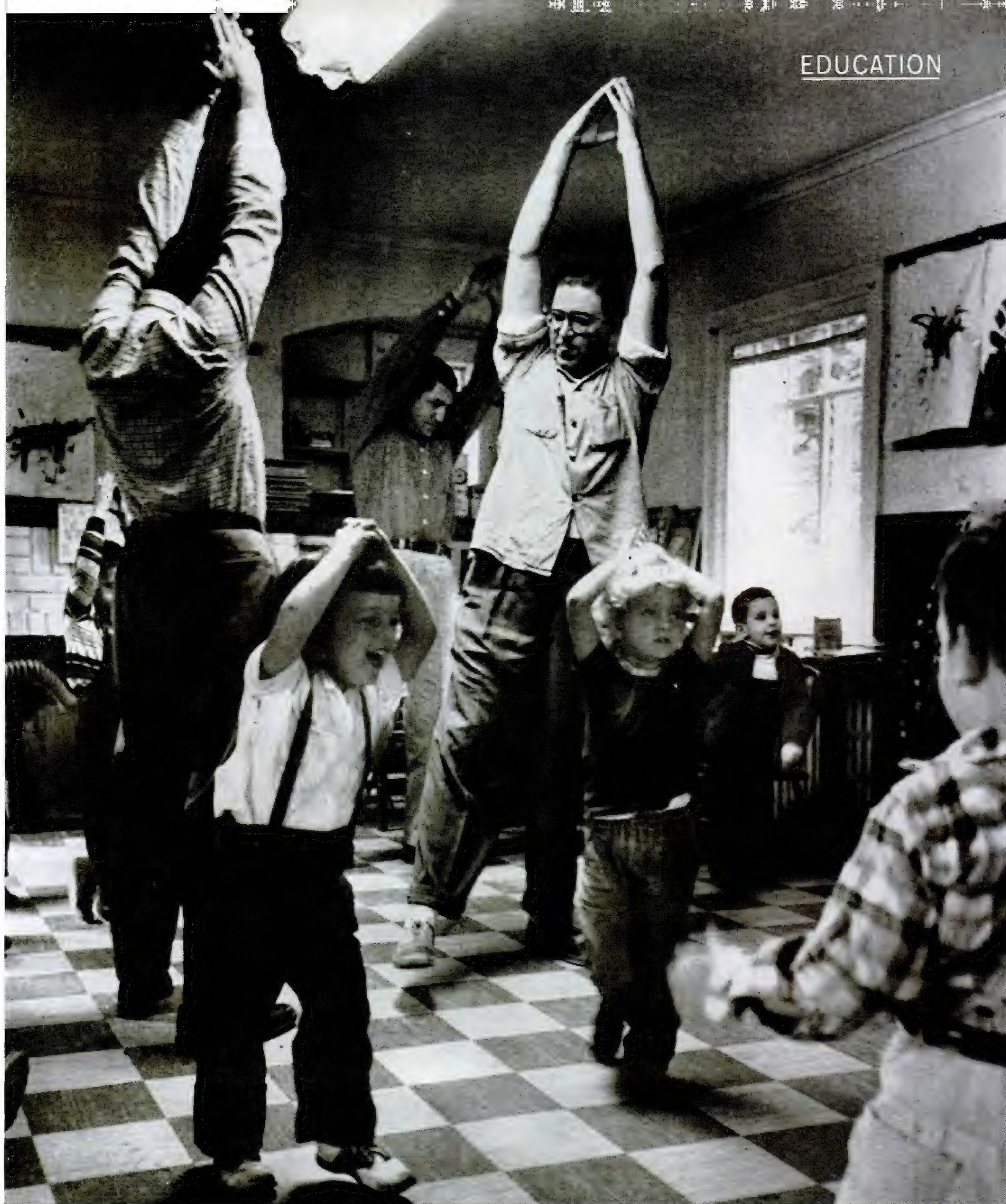
STUCK on the slide, TV Producer Robert Northshield holds up preschooler waiting his turn at top.



PAINTING a poster on a porch outside the school building, Magazine Editor Harrison Kinney and his daughter Susan concentrate on a joint project.



POURING fruit juice from a sprinkling can during the refreshment period after midmorning nap, Milton Kail misses paper cup of a thirsty student.



IMITATING GIRAFFES, Croton dads dance awkwardly with preschool children.

A Day for Preschool Pops

FATHERS SHARE CHILDREN'S GAMES AT COOPERATIVE NURSERY

As a general rule the fathers of children enrolled at the Croton Community Nursery School in Croton-on-Hudson, N.Y. simply pay the bills and let their wives shoulder the day-to-day burdens of running the cooperative institution. The school, which is owned by the parents, depends on the mothers to transport the children, assist the teachers during classes and look after business details. But twice a year, on specially designated days, the fathers' place is in the school.

On the theory that both parents ought to know how their children

spend their days, the Croton nursery school fathers recently submitted themselves to the crowded routine of the preschool class. After trying to keep up with their 3- and 4-year-old youngsters on the swings and slides during the "free play" period, the fathers gratefully flopped on the schoolroom floor for a midmorning nap. The double-sized class had refreshments, then acted out the roles of animals in nursery songs. Though the fathers were puffing by noon, their behavior was exemplary. Said a regular teacher, "I'm not needed here. The fathers are doing just fine."



Deliciously yours!

P.S. Funny thing about steak! Some people never use catsup on it. Other folks wouldn't eat a steak without it. To the former, won't you enjoy Hunt's spicy, tart-sweet catsup on other foods? To the latter, blessings on you...and Hunt—for the best!



Hunt Foods, Inc., Fullerton, Calif.

Clipper

Built by Packard Craftsmen



famous

Torsion-Level Ride

No more uncontrolled "heeling over" of car body on sharp turns . . . no more disturbing jolt and bounce over bumps and dips . . . no more severe "nose-dive" from sudden stops.



NOT THIS...

BUT THIS



Clipper's Torsion Suspension absorbs road shock before it can reach you . . . maintains smooth, level stability and comfort impossible with old-time coil and leaf spring suspensions.



NOT THIS...

BUT THIS



NOT THIS...

BUT THIS



The New 1956



Featured is the new Clipper Super Hardtop . . . one of five stunning new models.

America's finest medium-priced car brings you ...a luxury-car feature...exclusive in its field

Here it is! The stunning new Clipper for 1956 . . . the only car in the medium-price field to bring you advanced Torsion-Level Ride . . . *and the only car that could!*

Now you and your family can know the remarkable smoothness, the floating feel and the extra safety of famous Torsion-Level Suspension system created by Packard craftsmen. Nothing on coil and leaf springs, *regardless of price*, can pretend to match the performance of Torsion-Level Ride . . . so *advanced* that it even beats riding on air, and so *accepted* in the high-price field that it will enhance the re-sale value of your Clipper for years to come!

Yet Torsion-Level Ride is only one of the outstanding features that make the 1956 Clipper the finest car in the medium-price field!

New in their class are the sensational Clipper engines . . . up to

275 h.p., *the highest in the field* with a compression ratio of 9.5 to 1! Now, more Clipper performance! More instant response whether signals say "Slow" or "Go!" And more efficiency for more economy!

New, too, is a rear axle ratio that achieves fuel economy previously possible only with overdrive. With it, Clipper now offers, as another exclusive in its field, the economies of overdrive teamed with the finest of automatic transmissions . . . the Clipper Ultramatic!

When you step up to this 1956 Clipper, you step up to distinguished styling, handsome interiors, fast, clean lines as well . . . and all the important qualities of proved Packard craftsmanship!

Exciting as the new Clipper sounds in *print*, your dealer knows you'll get a bigger thrill when you accept his invitation to put the Clipper in *action*. Do it! As soon as you can!

PACKARD-CLIPPER DIVISION • Studebaker-Packard Corporation
Where Pride of Workmanship Still Comes First!

THE BIG CHANGE IN TV



(L) *Headliner 21* (21T6082). Ebony finish, \$199.95 Stand, optional, extra. (R) *Gladstone 21* (21T635). Mahogany grained finish, \$269.95. Shown, limed oak grained finish, \$279.95.

RCA Victor presents TV's first complete re-styling

No obvious dials or gadgets. Nothing in view but TV's finest picture and most luxurious cabinets!

Here is TV that goes far beyond what you've come to expect. *This* TV is more than mere equipment. It breathes style in every line!

Just imagine how you could transform your living room with one of these smart sets. Take the *Headliner 21*. No controls in sight. What a picture it makes—and what a picture you get! Or, for fine performance and a look of richness that belies its price tag, choose the *Gladstone 21* with "High-Side" tuning. Both sets bring you "4-Plus" picture quality—greater brightness, contrast, steadiness.

Great New TV Advances. For as little as \$149.95, new RCA Victor TV brings you the fabulous new "Un-Mechanical Look," TV's first complete re-styling... plus new Balanced Fidelity Sound...

plus "High-and-Easy" tuning that lets you dial standing up. *And prices are down as much as 18%.*

More models, more unusual finishes, more beauty, more sheer *value* in TV than ever before—exactly what you want—ready for you now at your RCA Victor dealer's.

RCA Factory Service, assuring expert installation and maintenance, is available in most areas—but only to RCA Victor TV owners. Optional, extra.

Manufacturer's nationally advertised VHF list prices shown, subject to change. Slightly higher in far West and South. UHF optional at RCA Victor's lowest price ever—only \$25 extra.

See Milton Berle, Martha Raye on NBC-TV alternately, 2 out of every 3 Tuesdays. And don't miss NBC-TV's spectacular "Producers' Showcase" in RCA Compatible Color or black-and-white, Dec. 12.



RCA VICTOR
TRADE MARK RADIO CORPORATION OF AMERICA



"4-Plus" Picture Quality. Greater brightness, contrast, steadiness. In sets priced as low as \$200.



"Hidden Panel" Tuning. Lets you dial easily—standing up.

EVERY YEAR MORE PEOPLE BUY RCA VICTOR THAN ANY OTHER TELEVISION

WONDER BUYS!

Millionth TV Receiver



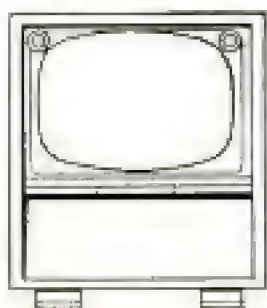
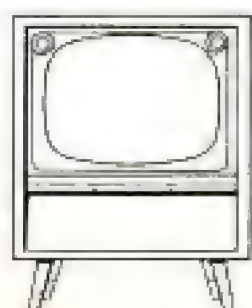
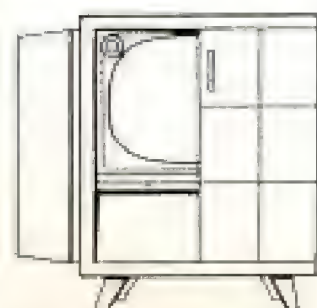
TOP
FRONT
TUNING

WONDER BUY #2—Our finest 21" TV console with the year's biggest trade-in allowance!

Let winter come! You'll be royally entertained in the comfort of your living room if you own the 21" *Morocco*. And you *can* own it—Admiral's most luxurious 1956 TV Console—for far less than its regularly established price of \$329.95!*—*even less than for many table models offered by other makers.*

Right now—for a limited time—your Admiral dealer offers an astonishing trade-in bonus on the *Morocco*. A feature bonus, too—with *lighted* Top Front Tuning . . . Super Cascode Power Plant . . . Giant 270 square inch *aluminized* and *Optic Filtered* screen, and infinitely variable *Tone Control* for wide-range high fidelity FM sound. In rich mahogany finish or blonde oak finish. The season's best reason to see your Admiral dealer—*now!*

*Slightly higher South, West and Canada . . . Fed. tax, warranties included . . . subject to change without notice.



On TV and Radio—Bishop Fulton J. Sheen "Life Is Worth Living." See local paper for time and stations.

Admiral®

How to get as much as 8 HOURS SOUND SLEEP

with no "Morning Hangover" from habit-forming drugs!



Take 2 NYTOL Tablets before retiring.



You'll be overjoyed to find you get a wonderful night's sleep!



You'll awaken in the morning refreshed, invigorated!

Amazing new SAFE sleeping tablet, NYTOL
GUARANTEED TO CONTAIN NO BARBITURATES, NO NARCOTICS, NO BROMIDES!

Can work wonders helping you fall asleep quickly, without tossing
and turning... so you get your regular night's sleep, without doping yourself...
wake up feeling fit as a fiddle, without that "Drugged" feeling

If you are one of those unfortunate people who at times can't sleep at night, but are fearful of taking habit-forming drugs, here is amazing news!

Now, modern medical science has developed a new safe sleeping tablet—called NYTOL. NYTOL Tablets have a remarkable soporific action which helps lull you into peaceful, restful sleep. Yet NYTOL Tablets are *guaranteed* free of dangerous, habit-forming drugs of any kind. That's why you can wake up feeling like a new

person, with no morning-after "drugged" effect.

Acts on True Basic Principle

Wondrous NYTOL works on a true basic principle... helps *relax* nervous tension. Many people who found it impossible to get their regular good night's sleep, because of worry or overwork, discovered that NYTOL helps them get the best night's sleep they've had in ages!

You, too, may feel lush drowsiness coming over

you. The next thing you know it's morning! You get out of bed alert, invigorated, ready for anything! You feel better, look better, work better!

No other tablet in the world acts more safely to induce sleep that helps rebuild your energy more effectively... yet is guaranteed free of habit-forming drugs. Yes, NYTOL Tablets are guaranteed to contain *no* barbiturates, *no* narcotics, *no* bromides

No Prescription Needed

The proof that NYTOL Tablets are safe, non-habit-forming, is the fact that you can buy them at drug stores without a doctor's prescription.

So, if you are subject to such sleepless nights, wake up dragged-out in the morning, get NYTOL Tablets from your druggist today.

If NYTOL does not give you your regular night's sound sleep, return the unused portion and your money will be refunded in full.

NO PRESCRIPTION NEEDED

NYTOL Tablets are so safe, you can buy them without a prescription.

SAFE!
Non-Habit-Forming



28 tablets
ONLY \$1.25

* Trademark

AMAZING NEW, SAFE
NYTOL



Battle in a Belfry

CHIVALRY WINS IN 'QUENTIN DURWARD'

The sanguinary steeple chase shown here is merely the climax of a long series of incredibly valorous deeds performed by an old-fashioned Scottish knight who refuses to believe the age of chivalry is dead. The fight occurs in M-G-M's robust version of Scott's *Quentin Durward*, in which quixotic Quentin, courageous but naive, tangles with crafty Louis XI, an up-to-date monarch who prefers politics to panoply, gunpowder to gyrfalcons. Quentin outwits Louis, bests the villain (*below*), reunites France and gets the beautiful, rich girl, all without cutting a comma of his chivalric code.



AMID FLAMES AND CLANGING BELLS IN AN OLD FRENCH CASTLE, QUENTIN DURWARD (ROBERT TAYLOR) OVERCOMES HIS VILLAINOUS ADVERSARY IN MID-AIR



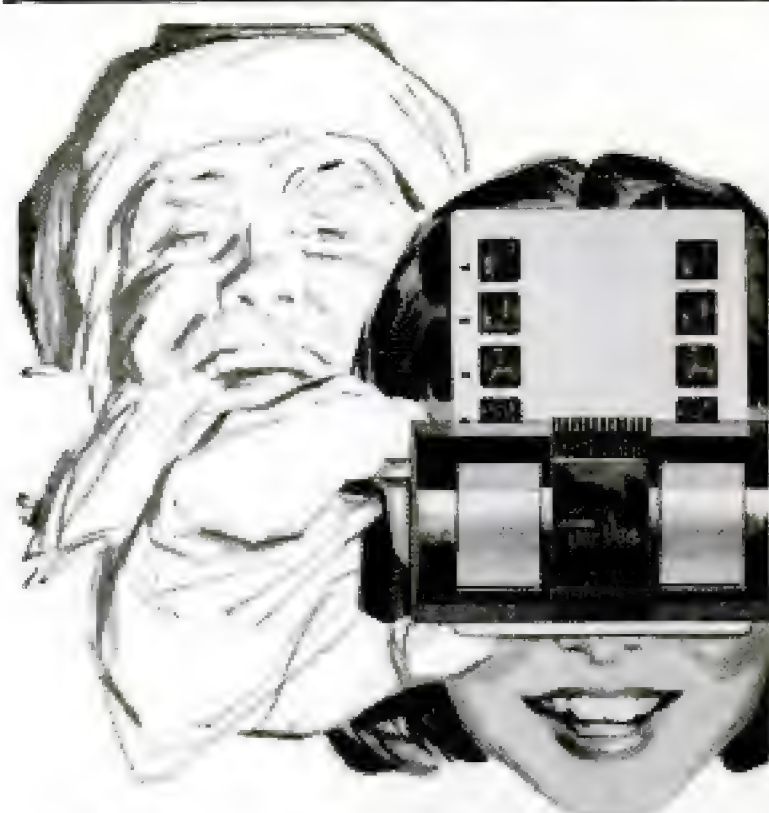
CONTINUED

Acid Indigestion?
Heartburn? Gas?

Fix it On The Spot

with handy **TUMS**
for the tummy 10¢

Now—to make sure you're never caught short—brand-new vacuum pack tin of twelve 10¢ rolls of TUMS... plus handy metal TUMS carrier. All just \$1.00. Get one for your car, office, locker and medicine chest today.



This Year Santa's Giving Tru-Vue

picture stories for children
in 3 dimension and color

Yes, Santa knows Tru-Vue provides more happy hours than any other gift. Choose from dozens of delightful Christmas stories, fairy tales and cowboy adventures.

SEE

THE NIGHT BEFORE CHRISTMAS
CINDERELLA • PETER PAN • PINOCCHIO
WALT DISNEY'S DAVY CROCKETT
DISNEYLAND • WILD BILL HICKOCK

BUDGET VIEWER\$1.49
DELUXE LIGHTED VIEWER \$2.98

Picture Stories, 29¢ each
Three Picture Stories or 3 Story Album, 85¢
For more happy hours give Tru-Vue. At Variety,
Department and Toy Stores Everywhere

TRU-VUE COMPANY • SEASIDE, OREGON

BELFRY BATTLE CONTINUED

MAKE-BELIEVE AND SOME REAL SETTINGS



DUCAL CHALLENGE is hurled at King Louis by Burgundy in studio imitation of palace. War is threatened if king shelters Countess of Marcroy.



A ROYAL BOUNCE is given Quentin Durward when he attempts to see King Louis. The location is the Château de Chenonceau near Tours in France.

RETURNING HERO and countess (Kay Kendall) are arrested outside Burgundian's castle, for which famous Château de Chambord is used in film.



CONTINUED



Our Walker's DeLuxe butler stages a hit for Lee Bowman

Most of the many hits with which Mr. Bowman has been associated have involved cameras (TV or movie), scripts, scenery, costumes, weeks of work. But the production our butler, Robert, recently staged for him took only a few, simple properties. Chief among these properties was the familiar and

famous bottle of Walker's DeLuxe.

And judging from Mr. Bowman's reaction, it was a tremendous hit.

We would have predicted as much, for Walker's DeLuxe is a genuinely stellar whiskey. Elegant in taste and uncommonly smooth, it is the best of all

the bourbons Hiram Walker makes. Aged 7 full years in the oak—90.4 proof.

We wish you'd try Walker's DeLuxe yourself. Because we think you'd join Lee Bowman—and a great many other men—in giving it a rave review. Why not order some soon?

7-year-old Walker's DeLuxe—the most elegant whiskey you can serve—90.4 proof

STRAIGHT BOURBON WHISKEY • 7 YEARS OLD • 90.4 PROOF • HIRAM WALKER & SONS INC., PEORIA, ILLINOIS



Bus stop "Coffee-break"

A few minutes ago, a bus stopped at Wayside, U. S. A.; a group of strangers got off to stretch and have a snack. Now, they're getting acquainted, American-style — over a good, hot cup of coffee. The figure-conscious girl (who drinks hers black) is telling the businessman (cream, two sugars) about college. The driver (black, with apple pie) is reassuring the

motherly-type (light, one sugar) that the bus is on time. When the driver kids the waitress about the coffee, the motherly-type will tell him her recipe for good coffee (two level tablespoons of coffee to each cup). The driver will listen courteously and agree. His wife's been making it that way for years. PAN-AMERICAN COFFEE BUREAU, 120 Wall St., New York 5, N. Y.

© 1955

There is nothing so satisfying as a cup of good coffee

NEW TOOLS AND TECHNIQUES FOR AIR RECONNAISSANCE



ON A HIGH ALTITUDE PHOTOGRAPHIC MISSION IN AN RB-47, MAJOR JACK EVANS, THE OBSERVER, BUSILY DOUBLES AS BOTH NAVIGATOR AND PHOTOGRAPHER

The U.S. forces could use fast jets and amazing cameras in huge job of making an aerial inspection of the U.S.S.R.

The continuing discussions over President Eisenhower's proposal that the U.S. and the U.S.S.R. permit aerial inspection of each other's territory as a step in arms controls have focused attention on two branches of the U.S. Air Force, the reconnaissance services of the Strategic Air Command and Tactical Air Command. Though the proposals made no progress at the foreign ministers' conference last week, SAC's and TAC's reconnaissance arms are ready, if they get permission, for the biggest photographic job in history: the mapping of the U.S.S.R. They are also ready to do this without permission, for SAC normally has the job of taking pictures over hostile territory to provide information for bombers, to map the enemy country and to keep tabs on its war-making capacity. TAC reconnoiters battle areas for light bomber and fighter targets and information for troops.

Under mutual aerial inspection SAC and TAC would map Russia's military installations and then its industry as it charted the 8.5 million

square miles of the U.S.S.R. One reconnaissance expert thinks that though the U.S. might employ some 130 RB-47 fast jet photo planes, Russia's immensity and poor weather would require them to fly for at least three months to make a single portrait of the Soviet Union. In the near future, however, radar equipment may make possible all-weather photography, which might cut the job down to a month.

The first U.S. photographer to take pictures over Russia would be the observer in the nose of a SAC RB-47 (*above*). Nosing into high altitudes, the RB-47 would take over-all pictures which when put together would produce a complete, basic map of the U.S.S.R. from 40,000 feet. As interesting details turned up on these photographs, other planes, including TAC's smaller jet fighter types, would streak in at low altitudes to shoot revealing close-ups, like the color picture at right which shows up the smallest details, even down to individual bushes and boat bottoms.

NEW TOOLS AND TECHNIQUES FOR AIR RECONNAISSANCE



ON A HIGH ALTITUDE PHOTOGRAPHIC MISSION IN AN RB-47, MAJOR JACK EVANS, THE OBSERVER, BUSILY DOUBLES AS BOTH NAVIGATOR AND PHOTOGRAPHER

The U.S. forces could use fast jets and amazing cameras in huge job of making an aerial inspection of the U.S.S.R.

The continuing discussions over President Eisenhower's proposal that the U.S. and the U.S.S.R. permit aerial inspection of each other's territory as a step in arms controls have focused attention on two branches of the U.S. Air Force, the reconnaissance services of the Strategic Air Command and Tactical Air Command. Though the proposals made no progress at the foreign ministers' conference last week, SAC's and TAC's reconnaissance arms are ready, if they get permission, for the biggest photographic job in history: the mapping of the U.S.S.R. They are also ready to do this without permission, for SAC normally has the job of taking pictures over hostile territory to provide information for bombers, to map the enemy country and to keep tabs on its war-making capacity. TAC reconnoiters battle areas for light bomber and fighter targets and information for troops.

Under mutual aerial inspection SAC and TAC would map Russia's military installations and then its industry as it charted the 8.5 million

square miles of the U.S.S.R. One reconnaissance expert thinks that though the U.S. might employ some 130 RB-47 fast jet photo planes, Russia's immensity and poor weather would require them to fly for at least three months to make a single portrait of the Soviet Union. In the near future, however, radar equipment may make possible all-weather photography, which might cut the job down to a month.

The first U.S. photographer to take pictures over Russia would be the observer in the nose of a SAC RB-47 (*above*). Nosing into high altitudes, the RB-47 would take over-all pictures which when put together would produce a complete, basic map of the U.S.S.R. from 40,000 feet. As interesting details turned up on these photographs, other planes, including TAC's smaller jet fighter types, would streak in at low altitudes to shoot revealing close-ups, like the color picture at right which shows up the smallest details, even down to individual bushes and boat bottoms.



CONTINUOUS CLOSE-UPS of Tampa Heights (*below*) and Tampa's Union Station (*center, top*) demonstrate detailed view TAC planes could bring back of

Russia with a combination of strip camera and fast color film. Automatically spinning past a slit in the shutterless camera at rate proportional to plane's





CONTINUOUS CLOSE-UPS of Tampa Heights (*below*) and Tampa's Union Station (*center, top*) demonstrate detailed view TAC planes could bring back of

Russia with a combination of strip camera and fast color film. Automatically spinning past a slit in the shutterless camera at rate proportional to plane's





speed over the ground, the strip of film exposes itself steadily, eliminating gaps between exposures. An RF-80C took the pictures flying 400 mph at an altitude of

1,000 feet. Wavy appearance of straight streets is caused by plane's motion in rough air. Each picture covers about a three-quarter-mile-long section of town.



CONTINUED



CAMOUFLAGE DETECTION is done with infrared color film used in this demonstration. Film causes chlorophyll, which gives living greenery its colors, to

appear red, as do fields around Kunsan, Korea (*above*). But dead vegetation, which is used for camouflage, shows up dark, as do thatched roofs in the town.

NEXT: VIEWS, CLOSEUPS, OF INDUSTRY



INDUSTRIAL CONCENTRATION is seen in picture taken from 34,000 feet over Cleveland which at first glance shows photo interpreter industrial wastes being carried into Lake Erie from Cuyahoga

River at 1, Coast Guard station at 2, warehouse at 3, ball park at 4, civic building at 5. But heart of picture is inside white rectangle. Magnified (right) this reveals the details described in text above right.





U.S. MISSILE LAUNCHER (vertical streak center) was photographed this year from 15,000 feet. Track indicates that it launches long-range winged missiles.



GERMAN V-2 TEST STAND at Peenemünde was caught in 1943. Rocket is at 1, V-2 launching platform at 2 and the building where platforms are stored at 3.

FIRST FOCUS: THE MILITARY

The first object of an aerial reconnaissance of the U.S.S.R. would be to discover any military build-up which could lead to a surprise atomic attack. Going over the aerial photographs brought back from Russia by Air Force photo planes, photo interpreters would look first for concentrations of bombers and for missile launchers.

The art of the photo interpreter has been perfected through combat experience in the last two wars. In World War II the photo interpreters made the crucial discovery that

Germans were working on V-2 rockets and thus enabled the Allies to spot and bomb launchers being built on the continent before the Germans could put them to full-scale use. In the Korean war photo reconnaissance grew expert in the use of fast jet planes, infrared film and color photography. Using these techniques now to reconnoiter Russia, photo interpreters would try to seek out intercontinental rocket missile sites while they are still in the early test and installation stages, before they become hidden tubes sunk invisibly in the ground.



PHOTO INTERPRETER, Major Milton Radovsky, matches photos for use with stereo viewer at right.



COMMUNIST AIRFIELD IN KOREA was photographed by an RB-29 from 30,000 feet in November 1951. This picture revealed not only the deployment

of aircraft, but also details of their swept-wing design which identified them as MiG 15s and led to a strafing strike by F-86s that hit eight of them on the ground.



RB-47 CREWMEN (from right) are observer, pilot, copilot, who fly in plane, and maintenance men for plane (3), radio, radar (2), armament (2) and cameras.



FASTEST RECONNAISSANCE PLANE, the RF-101 Voodoo, is the Air Force's first supersonic photo plane, which is designed to take pictures at 900 mph.

NEWEST JETS FOR THE BIG PICTURE JOB

Advances in aircraft have vastly speeded the work of aerial reconnaissance since World War II. The three-man air crew of SAC's six-jet RB-47 can photograph a target and return in half the time required by the 11-man crew of the old RB-29. Flying higher, they can photograph a swath of countryside 80 miles wide and 500 miles long every hour. The new eight-jet RB-52, which is now coming into use at SAC, will shoot pictures at even higher speeds

and altitudes. Its camera-carrying pod can be slipped out and replaced with bombs.

The Tactical Air Command, which employs fighter type planes for battle area reconnaissance, is the first service to receive a supersonic photo plane. Its long-nosed camera version of the McDonnell Voodoo (*above, right*) will be able to clip the treetops faster than its own shrieking sound, taking completely candid pictures of unsuspecting subjects on the ground.

SAC'S RECONNAISSANCE PLANES ARE (FRONT TO BACK) THE WORKHORSE RB-47; THE BIGGER, FASTER RB-52 NOW ENTERING SERVICE; THE RB-36 BEING RETIRED



After setting up watch over Russian military forces, U.S. reconnaissance would begin to examine the industry of the Soviet Union for signs of massive preparations that would precede a major war move. An important tool for this work would be new, gyro-stabilized camera equipment, combining super-fast shutters and sharp telephoto lenses, which takes pictures from high altitude that can be magnified to show detail on the ground. The picture at left was taken with this new equipment from a SAC RB-47, almost seven miles above Cleveland. The enlargement below of the section of picture marked off in the white rectangle shows the detail a photo interpreter saw through his magnifying glass. From this

he was able to deduce the industrial processes and products of the area.

At 13 the rail lines, buildings and piles of raw limestone and coke indicate a steel mill. Small structures and trees mark residential section at 14. The shadow in the top of the tank at 12 shows it to have a floating top used only for such volatile liquids as aviation gasoline. Solid-topped tanks in 11 are for petroleum storage. Tank cars stand in rail marshaling yard at 9. Railroad boxcars and trucks show that 8 is a transshipment warehouse. Shape of narrow buildings in 6 indicates that they are steel rolling mills. Under magnification 7 shows up as a steel truss bridge, 10 as a lift bridge. Trucks can be distinguished from passenger cars on 7.





TIPPED OFF BY A BEARDED INFORMER (RIGHT), IRANIAN TROOPS MOVE IN TO RAID BUILDING CONTAINING PRINTING PLANT FOR COMMUNIST PROPAGANDA.

THE ANATOMY OF

The complete machinery of a Communist plot, the vast Russian-directed

LAST month the government of Iran signed the Baghdad pact, a five-year alliance with Turkey, Iraq, Pakistan and Britain designed to create in the Middle East a line of defense against Soviet encroachment. Iran thereby abandoned her historic position of uneasy neutrality and linked herself with NATO in the West.

When he learned of Iran's decision, Soviet Foreign Minister Molotov summoned the Iranian chargé d'affaires in Moscow and complained that Iran was behaving aggressively and threatening world peace. What was more, said Molotov indignantly, Iran had not even shown the courtesy of giving the Soviet Union advance warning.

It is probable that much of Molotov's indignation was brought on by the fact that until very recently the Soviet Union never needed to be notified formally of what was going on in Iran. The Soviet Union already knew. In spite of "friendly" relations with Iran, Russia had built up a vast and frighteningly efficient espionage system which reported everything that went on inside the Iranian government. The story of this conspiracy and how it was rooted out has never been fully told until this time. The story is worth telling because it provides a unique history of the discovery of one nationwide spy ring directly connected with the U.S.S.R., which could not be explained away as the work of a local Communist party or even of a satellite. In the course of the investigation evidence was uncovered that proved

the Iranian Communists were being financed and advised by Moscow. The details of the plot against Iran are related here with the cooperation of the man who broke the spy ring, Brig. General Timur Bakhtiar, the military governor of the Iranian capital, Tehran.

Through perseverance, hard work and some luck General Bakhtiar located and destroyed an enormous organization whose existence was not even dreamed of by most Communist party members in Iran. Fragments of Russian espionage apparatus have been found in many countries, as the news from Ottawa, Washington and London has shown in recent years. But in the 38 years of the existence of the Soviet Union the anatomy of one complete unit had never before been exposed. This is of particular importance now when the sudden bluff heartiness of Khrushchev and the beguiling smiles of Bulganin are being used to make the free world forget about Communist conspiracy.

The story begins in 1954.

General Bakhtiar was working in his office one August evening when an aide interrupted him. There was a man outside, the aide announced, who insisted that he had been commissioned by the Communists to assassinate the general. Bakhtiar asked that the "assassin" be brought in.

The man who entered was handsome, tall and athletic. His clothes had the flashy ostentation of a gangster's. His name, he said, was Jafari.

Give these **GAMES** just for fun!



Exciting Milton Bradley games are scientifically designed for every age

Look for this panel on every box!

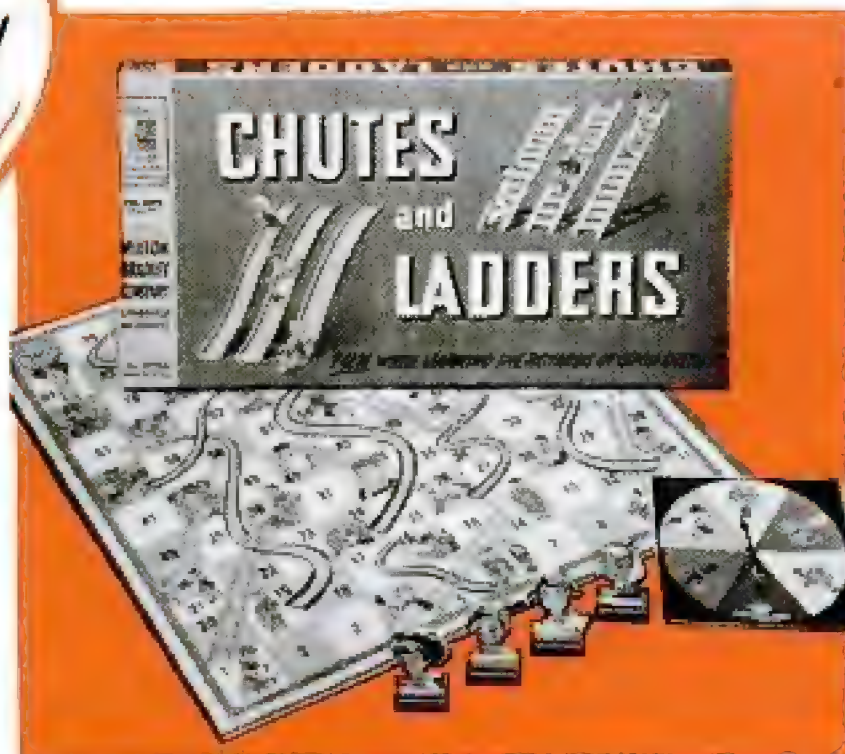
Another
MB
MILTON
BRADLEY
KEY
TO FUN
and learning

FOR AGES
(correct age
group for
each game
appears here)

**MILTON
BRADLEY
COMPANY**

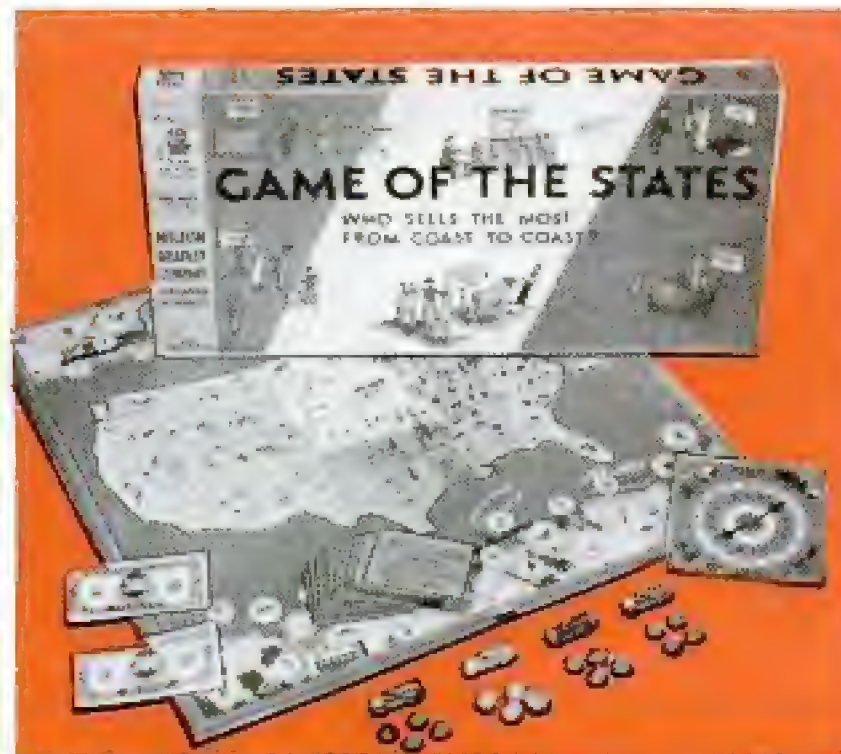
SPRINGFIELD
MASSACHUSETTS

MADE IN U.S.A.



CHUTES AND LADDERS

FOR AGE 4 TO 10. Even tots who can't read find a whirl of excitement in the ups and downs of this simple, easy-to-follow game which teaches rewards for good deeds.
De Luxe Edition \$2.00 Std. Edition \$.75



GAME OF THE STATES

FOR AGE 7 TO 14. Educational as well as fun. Game of the States gives the excitement of making sales and delivering goods and produce from border to border, coast to coast.
Price \$2.00



EASY MONEY

A FAMILY GAME. The risks and thrills of high finance hold both adults and teen-agers spellbound as they make or lose fortunes in a fast-moving game of business.
De Luxe Edition \$2.50 Std. Edition \$2.00



UNCLE WIGGILY

FOR AGE 4 TO 8. Year after year the suspense of this "Happy Rabbit" game keeps it a best seller. Each card turned up brings new thrills for Uncle Wiggily and his friends.
De Luxe Edition \$2.00 Std. Edition \$1.00



PIRATE AND TRAVELER

FOR AGE 7 TO 14. Bold adventure on the high seas and along the highways of the world makes this colorful game a thrill-packed favorite with children everywhere.
Price \$2.00



GO TO THE HEAD OF THE CLASS

A FAMILY GAME. Now, a new series of this popular game for the whole family. Wonderful entertainment for home parties. Fun and excitement for groups of two to nine players.
Price \$3.00



CANDY LAND

FOR AGE 4 TO 8. Youngsters are fascinated by following this rainbow-colored path through the Peppermint Stick Forest, Gum Drop Mountains, etc. No reading required.

De Luxe Edition \$2.00 Std. Edition \$1.00



PARK AND SHOP

FOR AGE 7 TO ADULT. Every child will enjoy the hustle and bustle of a trip to the stores. A new and different game, Park and Shop is full of fun and surprises for groups of two to six.

Price \$3.00



PATHFINDER

A FAMILY GAME. A completely new, unique game. Pathfinder is a fun-filled battle of wits. Easy to learn . . . Fascinating to play.

Price \$3.00



INTRIGUE

A FAMILY GAME. A secret agent murdered aboard an ocean liner! Each player is a "private eye" seeking to solve the mystery. A thrill-a-minute game for family fun.

Price \$3.00



HOWDY DOODY

FOR AGE 4 TO 10. Every Howdy Doody fan delights in the trip through Howdy's own studio. Players hobnob with all the cast, see an oldtime movie, and even act as cameraman.

Price \$2.00



SENIOR COMBINATION BOARD

FOR AGE 6 TO 14. Here are twenty-six separate games all rolled into one exciting package. Children never tire of this marvelous assortment of fascinating games.

Price \$2.50

Prices slightly higher in the West and South. For a FREE illustrated folder of games scientifically designed for each age group write:

MILTON **MB BRADLEY**

SPRINGFIELD 2, MASSACHUSETTS

Makers of famous CRAYRITE Crayons



OCCUPANTS OF THE WELL-DISGUISED HOUSE ON THE OUTSKIRTS OF TEHRAN MAKE READY TO DEFEND LAST STRONGHOLD OF RED PLOT TO TAKE OVER IRAN

A RED SPY RING

conspiracy against Iran, is laid bare for the first time

by ISAAC DON LEVINE

The aide put a revolver and four cartridges on Bakhtiar's desk. Jafari's big black eyes shone with bright good humor as he explained that this was the equipment the Communists had issued to him for the assassination.

Bakhtiar studied him. His first guess was that the dapper Jafari was a sensation seeker, looking for money or publicity. "Why are you surrendering yourself?" the general asked skeptically.

"My conscience bothered me about taking the life of a patriot like yourself," Jafari said, still looking good-humored. "Besides, I am tired of a life of treason."

A terrorist by trade

UNDER further questioning Jafari said he belonged to a terrorist branch of the Tudeh, the illegal Communist party, whose main task was to liquidate political enemies. Twenty days ago he had been assigned to kill Bakhtiar. Even now his chief was waiting on a street corner in the northern part of the city to get a report from him.

As Jafari talked, Bakhtiar decided that the elegantly dressed visitor really had been assigned to kill him. It was not patriotism that stopped him, the general figured, but self-preservation. If Jafari had balked at the job or had tried and failed, the Tudeh party would

certainly have killed him. And if he had succeeded, he would just as certainly have lost his life at the hands of Bakhtiar's associates.

Bakhtiar assigned security officers to accompany Jafari to the rendezvous with his chief. Presently they returned with a prisoner who turned out to be the long-sought head of Tehran's Red terrorist branch. It was an important arrest, but Bakhtiar had only just picked up the end of a thread that would guide him through a nightmare labyrinth. The entire Communist apparatus was so completely compartmentalized and insulated against itself that there were many things the eager Jafari did not even suspect. But one fact he could establish for his new friends: there were some army officers involved in Communist activities.

To appreciate the importance of this it is necessary to recall the recent history of Iran. Because of its rich oil fields and strategic situation, Iran has been eyed covetously by Russia since before World War II. After the war the Tudeh party grew rapidly, and by 1949 the Communists even dared to try to assassinate the shah, an attempt that failed only because of bad marksmanship. The Tudeh party was promptly outlawed and went underground for a while, but in spite of its illegality it came out into the open again two years later when Mossadeqh became premier. By 1953 the Tudeh party was so healthy that on one occasion some 75,000

BUY DIRECT
From America's Largest
Pencil Distributor

NEW!
BANKERS APPROVED
PLYMOUTH
BALL PENCIL

...available in 4 beautiful colors of ink or Liquo-Matic (Erasable Liquid Graphite) ink.

Extra-long cartridge writes up to TWICE AS LONG.

NEVER NEEDS SHARPENING OR REFILLING.

Won't break, wear down, smear, smudge, transfer or leak.

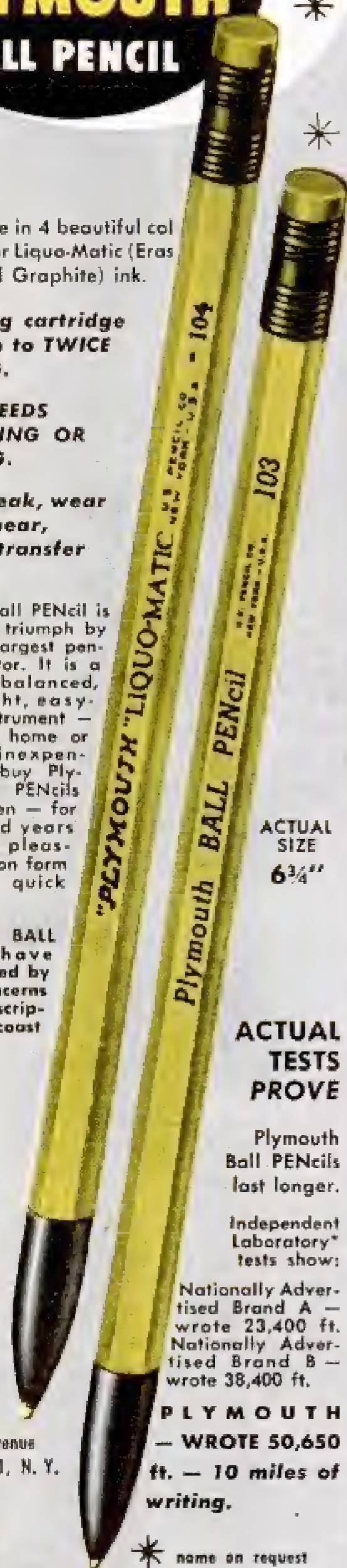
Plymouth Ball Pencil is a scientific triumph by America's largest pencil distributor. It is a perfectly-balanced, lightweight, easy-writing instrument — perfect for home or office. So inexpensive, you buy Plymouth Ball Pencils by the dozen — for months and years of writing pleasure. Order on form below for quick delivery.

PLYMOUTH BALL PENCILS have been adopted by leading concerns of every description from coast to coast.

UNITED STATES PENCIL CO., INC.

America's largest pencil distributor

100 Fifth Avenue
New York 11, N. Y.



ACTUAL SIZE
6 3/4"

ACTUAL TESTS PROVE

Plymouth Ball Pencils last longer.

Independent Laboratory tests show:

Nationally Advertised Brand A — wrote 23,400 ft. Nationally Advertised Brand B — wrote 38,400 ft.

PLYMOUTH — WROTE 50,650 ft. — 10 miles of writing.

* name on request

If Plymouth Ball Pencils don't compare to the best you've ever used — return them without any explanation at our expense. You'll get a full refund—no questions asked.

PRICES: 1 doz. — \$3.90 doz. ppd.

SEND \$1.00 FOR TRIAL PACKET

3 PENCILS — any color — in handsome case

TRY THEM 10 DAYS AT OUR RISK

U.S. PENCIL CO., INC.
100 FIFTH AVE., N. Y. 11, N. Y.

Gentlemen: Please send dozen Plymouth Ball Pencils @ \$3.90 doz. ppd SPECIFY COLORS DESIRED AND QUANTITY

☐ Trial packet of 3 @ \$1.00.
☐ Blue ☐ Black ☐ Red
☐ Liquo-Matic ☐ Green

Check ☐ Money Order ☐ Cash

Name

Address

City Zone State



GENERAL TIMUR BAKHTIAR TALKS WITH THE RELUCTANT ASSASSIN JAFARI



THE AUTHOR

HOW AUTHOR GOT STORY

When Isaac Don Levine (*left*), author and authority on Soviet foreign affairs, heard reports of Communist troubles in the Iranian army, he determined to find out what had really happened from the only man who knew the entire story. Visiting Tehran, he convinced General Bakhtiar that the free world should be told everything. The general not only made his records available but also spent 15 sessions telling Mr. Levine step by step how the conspiracy was uncovered.

SOVIET SPY RING CONTINUED

people marched and demonstrated under the Communist banners.

When Mossadegh was replaced by Premier Zahedi, the Tudeh was forced to go underground again. Both Zahedi and Bakhtiar, who was one of his first appointees, knew that the core of the party was still intact. For months Tehran had been flooded by Communist propaganda leaflets and newspapers, and Bakhtiar feared that in a sensitive, volatile country like Iran, the army would be an obvious Communist target. Long before the appearance of Jafari he had suspected that there might be a few Communists in the Iranian army officers' corps.

The willing Jafari not only confirmed this suspicion but also gave Bakhtiar something concrete to work on. The chief of the army conspiracy was, Jafari said, a man named Khosrow Roozbeh.

Roozbeh had been a captain and military academy instructor until he was discharged from the army in 1947 for Communist activities. He was one of the top Communist leaders imprisoned after the 1949 attempt on the shah and was one of 10 prisoners to make a remarkable escape on Dec. 20, 1950. On that day what appeared to be a regulation army truck carrying seven men, one of them apparently a lieutenant colonel, drove up to the prison gates and was admitted by the two officers on duty. The men presented an order for the transfer to another jail of the 10 top Communists, and when the prisoners were herded into the truck, the two prison officers also leaped into it and all 19 men drove off hurriedly—to vanish into the underground.

There had been rumors about Roozbeh's hide-outs, and he was thought to be in touch with another ex-captain named Abbasi. Bakhtiar assigned agents to run down every lead and shadow every suspect, including families and friends. Two men were delegated to watch the house of Abbasi's brother.

A few minutes after 9 o'clock on the night of Aug. 12 a man came out of the brother's house. Carrying a suitcase and a bundle, he hurried to a parked jeep. One of the guards recognized the man as Abbasi himself, and he was instantly arrested. The guards took one look inside the suitcase and hustled Abbasi to the fifth precinct police station where high-ranking officers were quickly summoned. As they delved into the contents of the suitcase throughout the night, they realized that the discovery was the fulfillment of a counterespionage man's dream.

There were notebooks in three different codes. There was a complete plan of the Saadabad Palace, the shah's summer residence, showing the guard posts, the number of men stationed at each post and a layout of the shah's private apartment. There were many sheets of paper mysteriously filled with numbers and trigonometric symbols; they looked like a mathematician's work sheets.

CONTINUED

WINSTON
TASTES GOOD—
LIKE A
CIGARETTE
SHOULD!



Olympic

all
3
for the
price
of TV
alone



Yes! a BONUS of 3 from Olympic TV

Look! Your choice of 17", 21" or 24" TV—PLUS hi-fi radio—PLUS 3-speed automatic hi-fi phonograph... all in one magnificent unit... all for virtually the same money as ordinary TV sets alone! So why settle for only TV, when now you can own this beautiful 3-way combination at such a low price! See it at your dealer's today.

from **\$199.95**

HI-FI AM-FM Radio Phonograph

from **\$149.95**

Send for FREE literature and nearest dealer
OLYMPIC Radio & Television INC.
34-33 38th Avenue
Long Island City 1,
New York

OLYMPIC
World's LEADER
in COMBINATIONS



WHEN IT'S TURKEY TIME

...it's Canada Dry time!



Welcome words! Time to enjoy the world's finest refreshment—made by Canada Dry.

Time for wholesome Canada Dry Ginger Ale, deliciously dry, not too sweet, *just right* for youngsters and adults...or Canada Dry Root Beer, full of that rich, creamy, old-fashioned flavor. Choose *your* favorites from the long, luscious list of Canada Dry refreshers. Then snap the cap...pour...mmmmmmmmmm...
It's Canada Dry time!



A FLAVOR FOR EVERY TASTE

You can get all your favorites—made by Canada Dry—True Fruit Orange, True Fruit Black Cherry, Grape, Root Beer, Spur Cola, Hi-Spot Lemon Soda, Ginger Ale and many others.



THE FLAVOR YOU LIKE...THE NAME YOU KNOW



Quick and easy shortcut



to dozens of made-up dishes

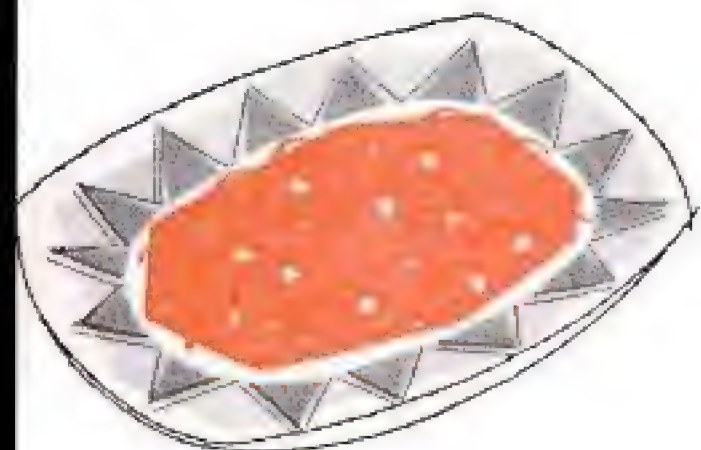


Del Monte® stewed tomatoes

and we tell you all about it on the next page ➞

**NO WORK—
ALL FLAVOR!**

**We've seasoned
your tomatoes with
onions, green
peppers, celery!**



Heat 'em—serve 'em! It's that easy to have stewed tomatoes good as grandma used to make. For DEL MONTE has seasoned plump, ripe tomatoes with onions, green peppers and celery. What flavor! You just haven't tasted stewed tomatoes till you try DEL MONTE Brand.



No end of tasty ways to use them!

What a work-saver in casseroles like this! And think of the soups and stews, the sauces you can make in so much less time with DEL MONTE Stewed Tomatoes. No need to chop and fuss when you can start right out with all the work done!



Flavor just like your own homemade!

If they sound good, just wait till you taste them! For Spanish omelets, for instance, you'll like the light, not "hot" seasoning of DEL MONTE Stewed Tomatoes. Try DEL MONTE Stewed Tomatoes today. At your grocer's NOW—or he can easily get them for you.

**Tomatoes seasoned
with onions, green
peppers, celery**

SOVIET SPY RING CONTINUED

There were top secret documents that had been stolen from army files, reports on the disposition of artillery along the Russian border, memoranda naming party members and handwritten notes.

Yet the investigation was soon stalemated, despite its promising start. Abbasi refused to talk. His relatives were questioned and the house searched without result—except for one tenuous lead. Abbasi's brother said that when he had wanted to get in touch with the fugitive ex-captain, he sent a message to a state railway employe who was a brother of the key figure, Khosrow Roozbeh. He



ROOZBEH was intelligence chief of army conspirators.

was brought in and questioned but did not know where his brother or Abbasi had made their headquarters. He simply passed messages along to the next man in the communications chain, the father-in-law of a prominent lieutenant colonel named Mobasher. Mobasher was placed under surveillance. Two code experts were put to work on the coded messages. While Bakhtiar bit his nails and wondered how much the other side knew of his progress, 12 days passed. Still Abbasi refused to talk, the codes refused to break, the men under surveillance did nothing suspicious.

Then Abbasi, during one interrogation session, said that if he could talk personally to General Bakhtiar, he might make some disclosures. Bakhtiar ordered him removed from his prison cell and brought at midnight, for utmost privacy, to an isolated house that belonged to an army officer. There for the first time Bakhtiar set eyes on Abbasi.

Abbasi rose and bowed rather mechanically. As he did Bakhtiar saw that his close-cropped head bore wounds. "What are those?" "Sir," replied an aide, "the prisoner dashed his head against the wall of his cell out of helplessness and despair."

Bakhtiar decided on a bluff. He told Abbasi that he had been watched for months, judiciously salting this with references to some of Abbasi's known subversive activities. Abbasi was guilty of high treason, he said, and his possession of a map of the shah's summer palace would send him to the firing squad. Only a complete confession, with every detail he knew about Roozbeh and other Tudeh leaders now in hiding, could save his neck. If he made it, Bakhtiar would personally guarantee him against Communist revenge.

Abbasi, a slight, hollow-cheeked man, sat motionless.

Bakhtiar repeated his proposals. He emphasized the security measures that would surround Abbasi. Abbasi continued to sit motionless and expressionless, sometimes looking at his host, sometimes just staring ahead.

Bakhtiar took a breath and tried once more. He did not yet know what might be at stake but he sensed it could be a great deal, and he was very much afraid that he was failing.

This was a matter of life and death, he told Abbasi curtly—Abbasi's life or death. But Abbasi still had the choice. And at last the Communist opened his lips. "I will tell all I know. Whatever you are looking for you will find in a house at 21 Azar Avenue. That's the staff headquarters of the Tudeh organization for the army."

Bakhtiar controlled his face with difficulty. He had known there were suspected Communists in the army. That they were organized into a conspiratorial body with a headquarters was a thunderbolt.

"How many are there?"

"I'd guess around 400," said Abbasi easily, and again Bakhtiar's brain reeled. Four hundred army officers traitors! Abbasi added that the names of all the Communist officers were contained in a roster-in-code which only Mobasher, the code's originator, could read, and that there was a second headquarters on Khaneghah Avenue. Roozbeh might be found in either one.

Abbasi talked for three hours. When it was over Bakhtiar felt like a sleepwalker who awakes to find himself tiptoeing around the



When you wake up

WAKE UP YOUR EYES

with a 2-drop
bath of Murine

As regularly as you reach for your alarm clock, give your sleepy eyes the refreshment of a 2-drop bath of Murine in each eye! They'll greet the new day so much more gladly.

Murine's seven tested ingredients blend perfectly with the natural fluids of the eye. So Murine is as gentle as a tear. And in a matter of seconds it seems to float away morning sleepiness—cools and soothes that feeling of tired eyes during the day—and comforts wakeful eyes at bedtime, so they can welcome sleep more readily.

You can use Murine as often as your eyes would like. And you'll like the pleasant Murine custom of daily, regular 2-drop refreshers. It helps promote a clean, healthful condition. Remember, Murine makes your eyes feel good!



ABBASI gave first hint of extent of army Communism.

MURINE
for your eyes*



*TRADEMARKS REG. U. S. PAT. OFF.

CONTINUED

"This Christmas give him the year-round fun of



As presented on
TODAY, NBC-TV
starring Dave Garraway

Building things!"

The New Black & Decker

Drill 'N Saw Kit®

"Building this cabinet is the easiest thing I've ever done, now that I've got a Drill 'N Saw Kit!"



"It's the famous Black & Decker 1/4-inch drill with a geared chuck, a full-sized saw attachment with blade, 13 drill bits and a sturdy steel case!"



On camera with Steve Allen
on TONIGHT, NBC-TV.

"Shelving was a job I used to put off! Now I put 'em up fast with my new 1/4-inch drill and saw attachment!"



See the new Black & Decker Drill 'N Saw Kit at your dealer's now! For your nearest Black & Decker dealer, see the yellow pages of your local telephone directory... or write The Black & Decker Manufacturing Company, Dept. L-105, Towson 4, Md.

"... only **\$44.95**
buys it all! You **Save \$5.45**
below regular prices!

You can get convenient time
payment terms at most stores!"



"I never thought I'd be able to build a bookcase like this - but my Drill 'N Saw Kit made it really easy!"

Black & Decker®

World's largest maker of Portable Electric Tools



CODE-MAKER Mobasher rests in hospital after attempted suicide. His secret roster of army Communists blocked investigators.

SOVIET SPY RING CONTINUED

edge of a skyscraper roof. He had thought that, except for the location of the underground printing press and the whereabouts of some of the leaders, he knew the size of the Iranian Communist movement (numerically substantial) and its pattern (conventional like Communist parties the world over). Now the confession of one furtive little man had conjured a frightening prospect: the party had a mighty adjunct within the very top ranks of the army and entrenched in some of the government's most sensitive posts.

In the next few days the two headquarters were raided and many arrests were made, although Roozbeh was not one of them (he was destined never to be). Among the papers seized was something encoded in what appeared to be complex mathematical formulae. Bakhtiar suspected that it was the roster of Communist affiliated officers in the Iranian army.

The identities of the men who were quietly arrested during the following weeks confirmed Abbasi's statement to Bakhtiar. They included an air force captain and a lieutenant who had deserted the service to become members of the Communist executive committee. Another was a police captain, yet another a much-decorated colonel who had been chief of the army supply department and a few years before had spent 18 months in the U.S. on an official mission. A great cache of papers, many stolen from government departments, and a list of all the Communists in government offices in Iran were found in the home of an agriculture ministry employee. The code-making Colonel Mobasher was arrested early but he refused to reveal the key to the code that would have broken the entire army conspiracy. Once he tried to kill himself by puncturing a vein with a rusty nail that he pulled from a lavatory wall.

A link to the Soviet embassy

AS impressive as the type of man involved was the quality of knowledge reflected in the memos and other papers found. Some papers clearly established the existence of direct relations between the Iranian army fifth column and the Soviet embassy in Tehran. Even the heavy new safe in which some of these documents were kept was of Russian manufacture. Other papers proved that the Communists knew virtually all of Iran's top secrets. They had accurate information on the strength of the Tehran garrison, copies of coded cables despatched by loyal officers of the general staff (including an especially guarded message sent by the chief of staff) and descriptions and locations of all military equipment supplied Iran by the U.S.

Meanwhile, in an exacerbating war of nerves, Mobasher once or twice agreed to reveal the key to the enigmatic code in which the list of traitorous officers was kept, then changed his mind. The lesser codes were broken by late August, but the main one defied the round-the-clock efforts of Iran's best code men. As time passed

CONTINUE

the **BIG** difference

in **TV** sets

is the exclusive
CAPEHART POLAROID®
Picture Filter System



JUST SEE the difference exclusive Capehart Polaroid® Picture Filter System makes . . . no eye-straining glare, no eye-fatiguing reflections. A Capehart picture is always brilliantly clear and sharp, yet easy on the eyes. If you want the **BIG DIFFERENCE** in TV sets—the “easy-on-the-eyes” picture—buy a Capehart. Your classified directory lists your nearest Capehart dealer.

21-inch Capehart television instruments from \$169.95 to \$1600.00*.

®By Polaroid Corporation

*Prices slightly higher in the South and West.

The AMHERST (Model 3T216MD). Capehart Polaroid® Picture Filter System. Super Comet Chassis with 21-inch aluminized tube. Front mounted speaker.

Capehart
ITT

CAPEHART-FARNSWORTH COMPANY, Fort Wayne 1, Indiana
A DIVISION OF INTERNATIONAL TELEPHONE AND TELEGRAPH CORPORATION

Wow-e-e-e... a Schwinn Racer!



Schwinn Bicycles are sold *and Serviced* . . . only by factory-franchised Schwinn Dealers, carefully selected to serve you *and your children* with courtesy and dependability.

Replacement parts and expert service always available through franchised Schwinn Dealers everywhere—see your classified telephone directory.

Every Schwinn Bicycle is made in America and Guaranteed Long-As-You-Own-It.

**3-Speed
SCHWINN RACER**

\$49⁹⁵*

SALE PRICE

Regular \$56.95*

•
BUDGET TERMS
At Most
SCHWINN DEALERS
•

* Suggested prices, slightly higher South and West.
All prices subject to change without notice.

The most exciting moment in a lifetime

. . . especially if it's a real Schwinn, the bike kids all over America know is the best. How proud he'll be on Christmas morning to take that first spin around the block on a sparkling new Schwinn!

Dad will be proud, too—because he knows Schwinn bikes are built better, stronger and safer . . . specially designed to stand up under the rough-and-ready handling of all-American kids.

The Schwinn RACER shown above is Schwinn's newest achievement in sixty years of building fine lightweight bicycles—and at an amazing new low price! Three-speed gears, front and rear hand brakes, all the popular features—*plus* dependable Schwinn quality. See it today!

Over 65 Schwinn models—in every price range

ARNOLD, SCHWINN & COMPANY

CHICAGO 39, ILLINOIS

World's Finest Bicycles—Made In America





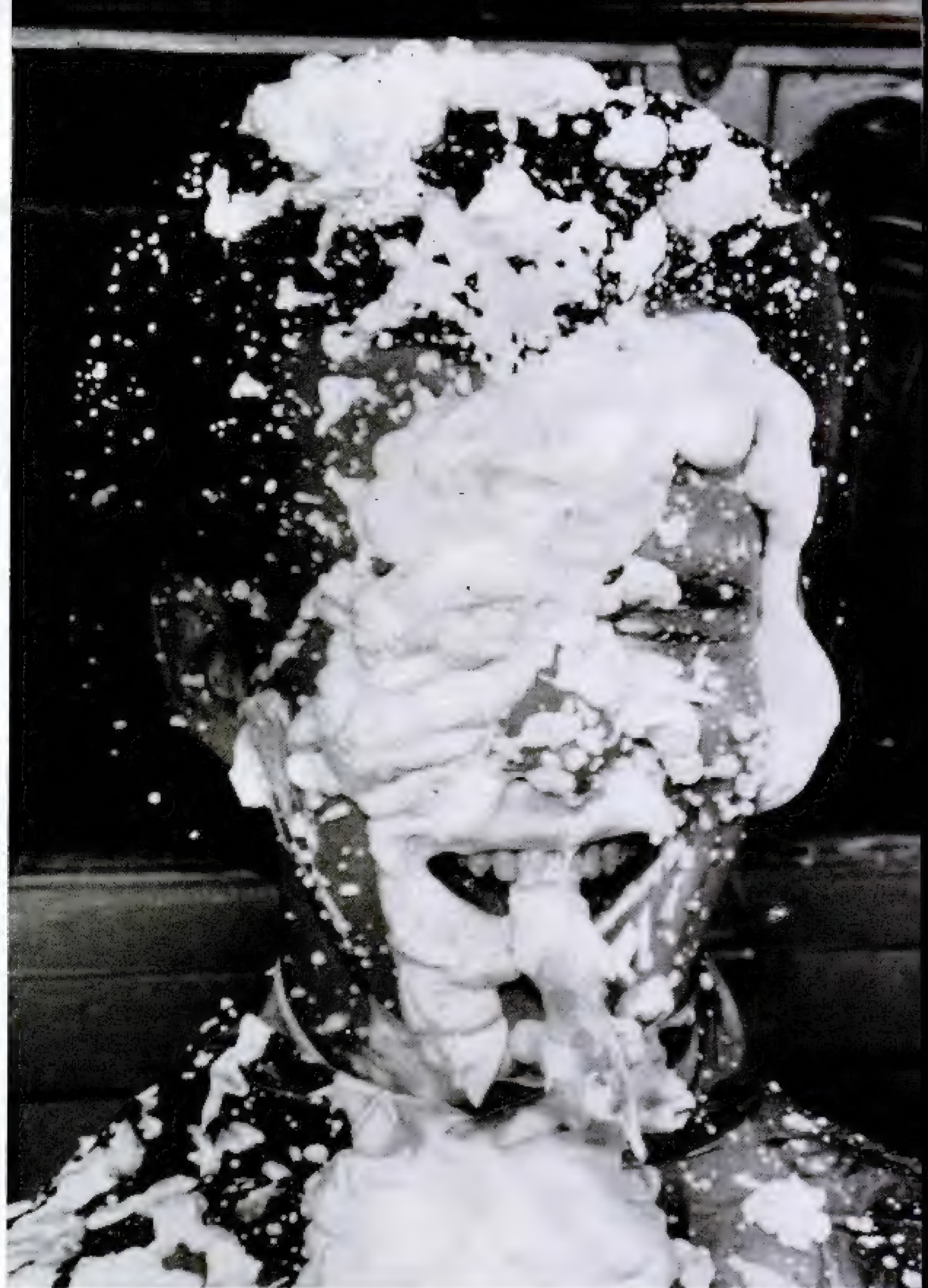
LOG-BOGGED DOG

The hound dog bent around a log in the middle of Warrior Lake, Ala. is having trouble amid triumph. Taking part in an old sport called "coon on a log," he had set out moments before to dislodge a raccoon which had been placed on a log in the lake. The dog had finally knocked the coon into the water and, while officials pulled the coon to safety, tried to

climb onto the log. But as he dug his forefeet into the burlap (sewed on to give the coon a pawhold on the log), his hind feet kept slipping under the log and popping up on the other side. From a nearby boat, Thomas Hill of the *Birmingham News* took this picture just before the dog, still unwilling to give up the struggle, was pulled off and towed back to shore.



15 FEET. MISSING, THEY MOVED CLOSER WITH RESULTS SHOWN AT RIGHT



FOAM RESULTS proved splatter technique direct from can (*above*) is quicker than glob method (*below*) used by girl who scooped foam from floor and hurled it.



RESCUE TECHNIQUE for use in smoke-filled rooms was tested when girls were challenged to identify their dates just by their legs. Three of the girls did.





HEADING FOR THE PARTY, the engine goes through town with bell clanging and siren shrieking.



GIRLS DEMONSTRATE FOAM FIREFIGHTING TECHNIQUE WITH SHAVING CREAM CANS. THEY LET FLY AT

Fraternity's Firehouse Fling

OHIO STATE BOYS INVENT PARTY TO GO WITH ENGINE THEY BOUGHT

Last year the Delta Upsilon fraternity at Ohio State University in Columbus got a few hundred dollars together and bought a 1919 Ahrens-Fox fire engine to use in college parades. It was such a huge hit the boys decided to use it as an excuse for a firefighting party each fall. This year's Second Firemen's Fling was held in a fire station in nearby Clinton township. The

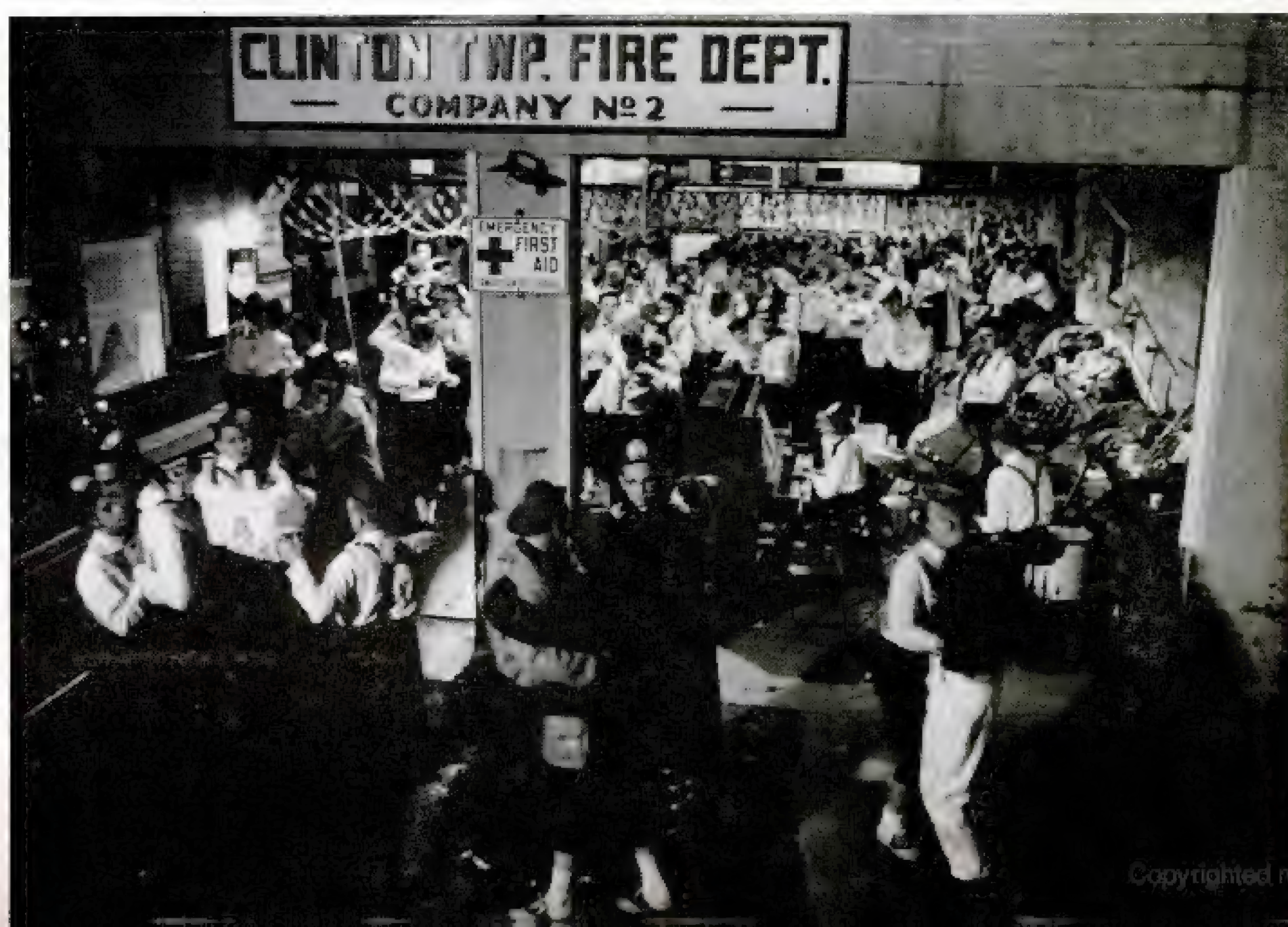
boys had planned to start the party by rescuing their girls by ladder from second story dormitory windows, but were discouraged by the dean of women. Dressed in red suspenders and helmets, the boys drove off with their dates in the polished brass splendor of the engine, noisily ignoring city and university officials who had ordered them not to sound the siren in town.

At the firehouse there was a firefighting exhibition by six girls who used shaving cream bombs to put out candles the boys held in their teeth. The party was still sizzling as the midnight deadline approached, and the band played *Goodnight Ladies* with no noticeable effect. The social chairman threw open the firehouse doors and freezing air finally put out the firefighters.



WINNING FOAM FIGHTER Jayne Kenny, date Mike Wilson got red flannels and badges for prizes.

DANCERS CROWD CLINTON FIREHOUSE EMPTIED BY REGULAR FIREMEN WHO MOVED ENGINES OUTSIDE



SOVIET SPY RING CONTINUED

short ladder leading down into a subterranean tunnel that in turn wound to a large, well-lighted white-walled room.

The well-appointed living room above had contained a patriotic portrait of the shah; the underground room was decorated with portraits of Lenin, Mao and Stalin. But its chief furniture was two large printing presses, cases of type, stock of newsprint and stacks of underground newspapers and Soviet pamphlets. A bell above Stalin's picture warned the printers to stop the noisy presses whenever a stranger entered the grounds. Examination of the heavy machinery revealed it had been installed during construction of the rest of the house in 1950, and before the floor of the house was laid. It was a classic of surreptitious planning and construction. Bakhtiar believes the plant may have been designed by Stalin himself, since in his early revolutionary years the late Soviet dictator organized a highly successful secret printing plant.

A body blow to the Tudeh

TO the Tudeh party the discovery of the printing press was a body blow second only to the roundup of the disloyal officers. Bakhtiar capitalized on it by displaying a nice instinct for propaganda himself and opening the suburban brick house to the public for three months so that all Tehran could come and see how cleverly and expensively Russia had plotted against its good neighbor.

Of the nearly 600 arrested officers, 26 were executed. Five hundred and thirty-nine were given jail terms of from 18 months to life. Since then 14 have been released. Only a handful of the plotters escaped the country but one of these was Roozbeh, now believed to be in Russia. Abbasi also is apparently out of the country, living in the anonymous security promised him by Bakhtiar. At the moment the outlook in Iran is bright—a situation tacitly acknowledged early this summer when, as a result of the investigation and the trials, the Soviet Union unexpectedly invited the shah to make a state visit to Moscow as an honored guest. But instead of being reassured, the free world might better ponder the fatalistic determination and cynicism of the veteran Communists in the plot. On the day of their execution, the first 10 sentenced to death were permitted to meet and talk, unshackled, for some hours. "This is our last committee meeting," joked one. "It ends the same old way," grinned another. "The authorities catch us."

When they were tied to stakes and blindfolded, they began shouting Communist slogans. An officer announced to them that the shah, in his mercy, had ordered that provision be made for their dependents. One of them cried out suddenly, "I only ask that you take care of my family."

But Colonel Izatollah Siamak, one of the three Communist leaders, was heard to shout a loud protest to his companion in death. "No, no! There are others"—meaning the Russians—"who will take care of them."

Then the rifles fired. Of course, Colonel Siamak himself was a bachelor.



FACING SENTENCE OF DEATH, Colonel Izatollah Siamak stands up to defend himself at court martial. A leading conspirator, he died by firing squad.



THE

Fabulous Frontier

The most adventurous chapter in LIFE's continuing series on America's Arts and Skills will be presented in next week's issue as LIFE explores "The Fabulous Frontier."

Here in the beautiful color photography and crisp reproduction which has characterized the series thus far, you will find re-created all the restlessness of mid-19th Century America, a time when ours was a nation in motion and streams of emigrants poured across the plains toward the far Pacific.

In LIFE's pages you see the gaudy frontier locomotive and fortresslike Conestoga wagon, the racy river packet and swift Concord coach that helped American pioneers open up the West. Here too you'll find the rude log hut, the singing plow, the mechanized reaper that marked the changing of frontiersmen to homesteaders. You'll visit the ghostly relics of a Western mining town where only the false facades of the saloon and assay office still stand. And along the Mississippi you'll see the more lasting legacy—the ornate and delicate architecture of the French colonists which for all of us is a heritage of timeless beauty. Though LIFE is a magazine dedicated to reporting great events of the contemporary world, our editors find a fund of enlightenment for today's living in the men and events and circumstances of the past. Thus it is the conviction of LIFE's editors that such journalistic forays into the past as *The Truman Memoirs*, *The Churchill Memoirs*, *The History of Western Culture*, *The World We Live In* and, currently, *The Epic of Man* add enormously to the knowledge of all of us. By knowing more about our heritage as a people, what we were and where we came from, all of us can better understand what we are and where we are headed. "The Fabulous Frontier" in next week's LIFE tells much of how we Americans lived—less than a century ago.

ANDREW HEISKELL, *Publisher*

Get today's newest multi-color carpeting the Bigelow way!

California-style Bigelow Mission Trail broadloom!

Get it now! Enjoy it while you pay for it!



*Enough Mission Trail to
carpet 3 average-size rooms
for only **\$21** a month**

It's just amazing the way Bigelow's Mission Trail brings the casual charm of California living right into your home.

This refreshing new wool carpet has a friendly, tweedy texture. And its magic color blending *hides* footprints and scuff marks!

Learn to your delight how Mission Trail adds new warmth and comfort to a room and is so easy to care for.

Yes, home means more with carpet on the

floor—especially if it's a Bigelow. Buy yours the modern way, and enjoy it in your home while you pay for it.

***Get yours now.** Ask your Bigelow retailer to arrange easy terms. Only \$21.00 a month, after small down payment, for enough wonderful Mission Trail for 3 average-size rooms.

You can get room-size Mission Trail rugs on terms, too. Other beautiful Bigelows as low as \$10.00 a month for 3 average-size rooms.

Look for all these extras at a Bigelow retailer's!



The Bigelow Sample-Bar puts a wide variety of Bigelow colors, styles and prices at your fingertips, makes carpet shopping a pleasure.



Expert advice. Your Bigelow retailer will help you select the "just-right" color, texture and weave for every room in your modern or traditional home.



Top-notch service. Whether you buy a room-size rug or have wall-to-wall installation, your Bigelow retailer's skilled staff insures satisfaction.



Bigelow
*Number 1
name in Carpets*

THE WHISKY YOU GIVE AND
SERVE WITH PRIDE PRESENTS ITS

new decanter

There's no better way to give the best...famous Old Forester, in this exquisite new gift decanter designed by Raymond Loewy. Same price as standard fifth...same fine bonded bourbon. And remember...there is nothing better in the market.



Bakhtiar and his associates grew more and more anxious. They knew that every hour they spent trying to get at the secret gave the Communists that much more time in which to cover their tracks. The Iranian government made approaches to enlist the aid of the experts in other countries. One of the Iranian experts, having developed a theory as to the general structure of the code, interviewed Mobasher, hoping that his questions would draw reactions that would give him further clues. Coldly Mobasher assured the code man he was wasting his time, that the code was unbreakable. But perhaps the underlying camaraderie between expert and expert broke through. At the last moment of the interview, Mobasher grudgingly admitted to the sleepless cryptanalyst that he was on the right track.

But the government felt too much time had already been expended. On Sept. 3, 22 days after the arrest of Abbasi, copies of the coded messages were placed on a plane that would fly them to government code experts in another country. The plane's motors were turning over, preparatory to take-off, when the word came that it could return to its hangar. The haggard Iranian code sleuths had finally solved Mobasher's trigonometry.

Even after the solution was found it took several days to translate the intricate symbols and check the army rolls to locate each conspirator. Some of the very men who would normally help in such arrests had to be arrested themselves, including a division commander. Still, the mass arrests were organized and, in the case of men living in the provinces, were cryptically ordered by telegram.

Arrest of 570 officers

The next week 570 officers were arrested. The entire Communist plot within the army was smashed and now Bakhtiar and his associates at last had time to study the documents and to interrogate their prisoners in detail. And so, 570 interrogations and confessions later, they got the first close-up look at how a Soviet spy ring works, from top to bottom. This is what they saw:

Potential recruits were carefully screened at the outset by Roozbeh's intelligence department, which kept remarkable dossiers on each man. One of the first papers in a dossier was always a "characteristics form," a kind of psychological profile covering 22 facets of the prospect's character and background, including such things as reading habits, moral character, comments on political matters, and personal weaknesses. A man who expressed hatred of the U.S. and Britain or spoke derogatorily of the shah was a likely prospect; one who expressed admiration for the Soviet Union as well, he was as good as in. Religious affiliation was a handicap; one investigator noted of a prospective member, "Not eligible—he prays." Much more promising characteristics were reported of a tank commander: "Informed on current affairs through Radio Moscow . . . has retained only 30% of his religious faith . . . has not collaborated with hostile elements . . . is friendly to the Soviet Union." He was accepted.

But these were the preliminaries. When Bakhtiar studied the instating methods by which the Reds wooed and weeded out column candidates he wondered how he had been able to capture any Communists at all. Once a recruit joined, he had to undergo a six-month probation during which he was given an intensive course of Communist indoctrination. His first subject was what was known as the history of civilization; the main source turned out to be *The History of the Communist Party of the Soviet Union* as prepared under the direction of that noted historian, Josef Stalin. The undergraduate then went on to the literary classics, such as the *Communist Manifesto* and selected works of Lenin.

He was educated in other ways as well. One thing he learned was that it was good to have a wife with more interest in the Soviet Union than in her native country. A year or more before the arrest of Abbasi, a ladies' auxiliary was established for the wives of member-officers so that their homes could be not only snug party havens but also fit environment for the proper rearing of Communist children. To get his wife into the auxiliary and assigned to a cell on probation, a husband had to give the organization a confidential "characteristics form" on her. Typical of these under little marital reports is the following from one army captain, describing his wife's charms for the organization:

1. *Education*: About six classes. 2. *Degree of Sincerity*: Good. 3. *Interest*: Because she comes from a family of landowners, she does not show great interest but can be trusted in every respect. Her degree of interest in me is very great. 4. *Sympathy*: She hates Britain and America very much and is interested in the Soviet Union and the democratic countries. 5. *Associates*:

CONTINUED

*The watch of the
Electronic Age . . .*

ENICAR

the first watch

with the

ultrasonic process

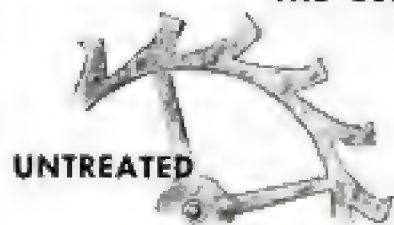
ASSURING

no cleaning or oiling

necessary for three years!

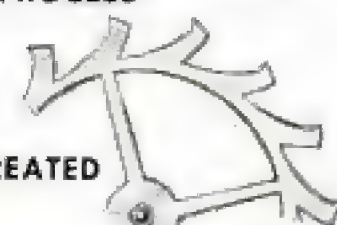


THE ULTRASONIC PROCESS



UNTREATED

Three years of operation will do this to every part of an ordinary watch movement.



TREATED

Enicar part with Ultrasonic process—still perfect after three years operation.*



*If movement is not exposed to foreign elements.

ENICAR Watches—world-renowned for superb accuracy and wafer-thin beauty—and with the exclusive ENICAR Ultrasonic Process—are the greatest watch values you can buy. See the miracles of modern watchmaking at your local jeweler. Priced from \$39.95 to \$150.

ENICAR WATCH CORP., 115 WEST 45th STREET, NEW YORK 36, N. Y.
Offices in all principal cities in the world.



COMPLETE BUYERS' GUIDE TO MODEL TRAIN SETS...

IN DECEMBER ISSUE

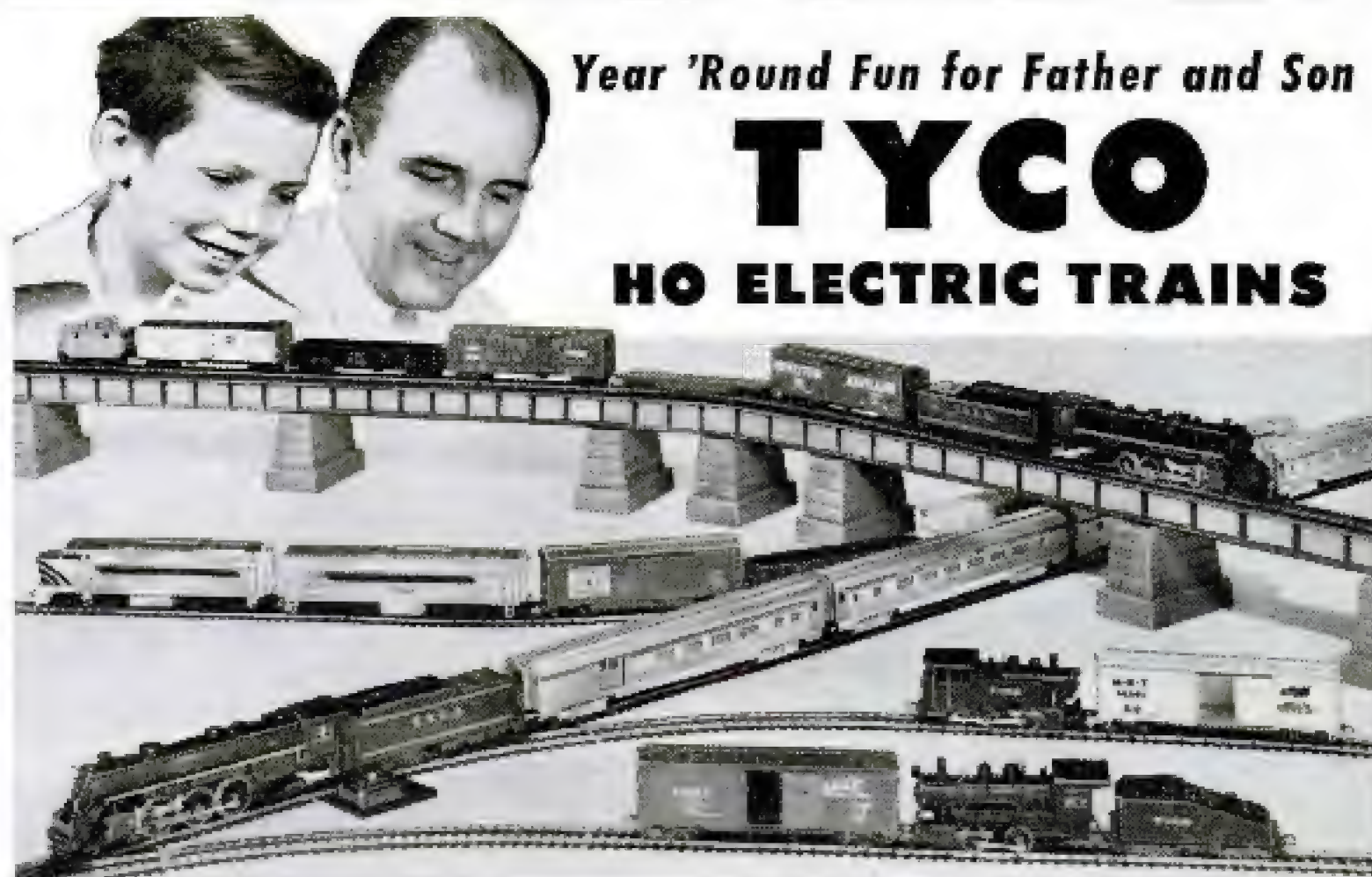
Model railroading made easy
MODEL TRAINS
MAGAZINE

NOW ON SALE AT NEWSSTANDS
or send 35c in coin to

Never before such a profusion of makes, types, sizes—how wisely will you choose? Do you want "O" gauge—or "S"—or "HO"? Which is suddenly the most popular? Do you want "two-rail" or "three-rail" . . . A.C. or D.C.? Look the field over—be informed before you buy. Beside the complete Buyers' Guide, MODEL TRAINS gives you a wealth of helpful hints to make your train a real investment in model railroading pleasure. Get your copy of December MODEL TRAINS today!



AND HOBBY SHOPS EVERYWHERE
MODEL TRAINS, Milwaukee 3, Wis.



Have More Features You Want Than Any Other Make

There's a whale of a difference in electric trains. Compare **TYCO** with the others and you will see that only **TYCO HO** brings you *all* these exciting, wanted features.

YEAR 'ROUND FUN—Run them—enjoy your railroad day after day. **TYCO** Trains are so compact—wherever you live, mansion or apartment—you can keep them in operation all year.

SCALE MODEL REALISM—Every locomotive and car is a fine scale model engineered from railroad blueprints. Exact in dimensions, superb in detail.

THRILLING LIFE LIKE OPERATION—**TYCO** Trains do almost everything real trains do. Speed up to 100 (scale) miles per hour. Slow down to a crawl. Run forward or backward at the flick of a lever. Switch (by remote control).

Couple and uncouple (automatically and unfailingly). Hold the rails around curves and through switches.

RUGGED CONSTRUCTION—**TYCO** Trains are precision made of the finest materials by the oldest and most experienced manufacturer of HO equipment. Every locomotive is of all metal construction. **TYCO** Trains are so durable they will outlast your son's boyhood.

BIGGEST VARIETY IN HO—**TYCO** Sets come in the broadest, most exciting selection of American made HO trains. 7 sets from \$14.95 to \$62.50.

COMPARE BEFORE YOU BUY. Then insist on **TYCO**. See them at your favorite toy, hobby or department store today.

Ask your dealer for free copy of complete **TYCO** catalog or write us.

TYLER MANUFACTURING CO., WOODBURY HEIGHTS, N.J.



COMMUNIST CACHE of propaganda is captured in government raid. Soldier carries an armload of party membership cards.

SOVIET SPY RING CONTINUED

From among the 'intellectuals,' she knows Mansur, but does not know that he is a member of the organization."

However its aims were at first cloaked in high-sounding phrase to the recruits, the main goal of the organization was espionage for Russia, and this was frankly acknowledged sooner or later. All were expected to contribute what they could. An officer on the Iranian general staff, for example, was to report all pertinent facts about his work to the Russian apparatus; a code officer supplied copies of codes and the coded messages that passed through his hands; an intelligence officer reported on the progress of Iranian intelligence work. A major in charge of the army rifle range, unable to learn much of value in his post, nonetheless did his bit by stealing U.S. grenades and bazooka ammunition which had been supplied to Iran.

"We were told everyone should report anything he observed," one prisoner confessed. Judging from what was found in the officers' headquarters—the complete correspondence between Premier Mossadegh and the Anglo-Iranian Oil Company, letters exchanged by the ministry of foreign affairs with other governments, copies of almost all telegrams sent by army units to the general staff—the traitors did their work well. But their boss, Roozbeh, always pressed for more.

A flood of information

THE personal files he compiled on public figures known to oppose Communism as well as on political groups were marvelously organized. The flood of information was so great that its handling obviously required systematization and Roozbeh handled it like an IBM machine. Every report was classified as reliable, unreliable, or mere rumor; if an incident was described it had to be dated exactly, and the source of information always had to be told—senator, newspaperman or whoever. Members had strict orders never to include opinion in a report and never to mark it "urgent" unless, as in the case of an impending police raid, the time element was vital.

Helping Communists to evade arrest or avoid prosecution was a major activity. The theft of military stationery forms, rubber stamps and samples of signatures for forgery was routine. Since the organization had members in courts, prisons and the police it was not hard to have a comrade's dossier "cleaned" of most of its incriminating material, or else simply stolen. Warning members of impending arrest was a regular service: the governor's office in Abadan once laid careful plans for a wholesale roundup of the Tudeh party in that city, but when the raid began not one Tudeh member could be found. A lieutenant colonel in the Abadan police force had got in touch with every man on the list and warned him out of town.

CONTINUED

**You know it...
she does, too!**

If ever there was a Christmas gift to tell her how very much you care, that gift is a precious Hamilton watch. You know it—and she does, too! More women dream of owning a Hamilton than of owning any other watch. (So do more men.) And never have there been such glorious Hamiltons as the newest models now at your jeweler's. Hamiltons of inspired design, breath-taking beauty. And price? Hamilton Illinois models start as low as \$33.95!

IT MEANS SO MUCH MORE
TO GIVE...OR GET...A

Hamilton



Prices include Federal tax.



there's a **difference**
between an **ELEPHANT** and a **REINDEER**
and there's a *big* difference . . .

BETWEEN

Rain Dears
(by LUCKY) ®

and other plastic rainboots!

DEEPER, SHARPER, SAFER TREAD
one-piece molded CONSTRUCTION
smarter, smoother STYLING



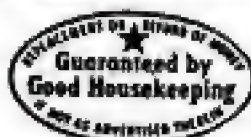
UNIVERSAL FIT for all type shoes

Perfect protection for rain, sleet, snow
CLEAR AND SMOKE ... about \$2.00

On sale at Notion, Shoe and Rainwear counters everywhere

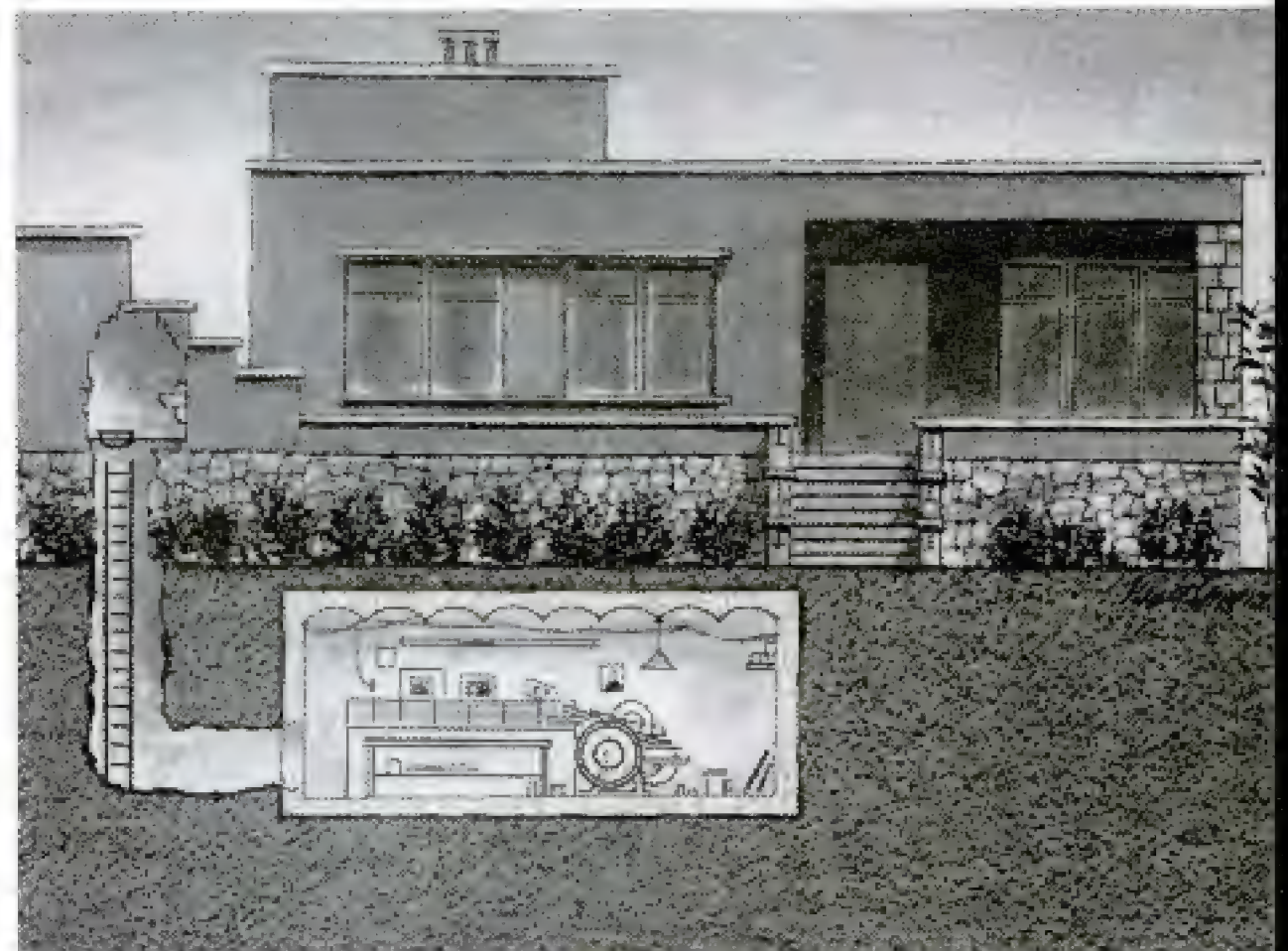


FASHION FIT
for high and Cuban heels



LUCKY SALES CO., INC.

NEW YORK
CHICAGO
LOS ANGELES



WELL-HIDDEN ROOM of Communist printing plant was reached through lavatory of house. Removal of toilet revealed ladder leading down to tunnel.

SOVIET SPY RING CONTINUED

indicated he might make a statement but would do so only to military governor.

The insistence of prisoners on confessing only to Bakhtiar seems curious to the Western mind, but it is not at all unusual in monarchies for a criminal to throw himself on the mercy of someone who is close to the throne (Bakhtiar is a cousin to the queen). Bakhtiar hurried to headquarters and had the courier brought before him. After the usual verbose preliminaries and demands for leniency, the courier finally muttered the address where the printing press was located.

Bakhtiar and a few aides changed into civilian clothes and reconnoitered the place, which was in the suburb of Dawoodieh, some six miles from the heart of Tehran. It was a new-looking, one-story, solidly built brick house surrounded by a wall. Bakhtiar drove back to headquarters, donned his uniform, marshaled a company of jeeps and platoon of soldiers and returned to the wall of the house. Some of the troops surrounded it, then the rest poured in through the gate to be met by shouts from the house: "Halt or we'll fire!" When the occupants realized they were dealing with the army they started to flee and were quickly arrested. Then the house and its attached garage were thoroughly searched. A hole was chopped in the living room floor—but nothing suspicious was found. The three occupants, a woman and two men, protested loudly that they did not know what this was all about. An hour passed. The searchers went over the rooms again and again.

Near the garage was a little lavatory with washbasin and toilet. When Bakhtiar and his aides reached this room the second time, it struck him that the fixtures looked dry and unused. Someone turned a water spigot; no water came out. The oriental-style toilet was jiggled and came loose—revealing a gaping hole beneath, which

CONTINUED



RED PRINTING PLANT is decorated with portraits of Stalin and Lenin. Warning bell above Stalin portrait told Communists to stop noisy press.



RED ARSENAL of rifles is examined by General Bakhtiar (right). Communists had stolen weapons from the army along with U.S.-supplied equipment.

SOVIET SPY RING CONTINUED

But almost as remarkable as the deep penetration of army officialdom was the secrecy in which this huge plot was wrapped. Once a novice was admitted to full membership in the officers' organization, he immediately gave up his party membership and became inactive as a regular Communist. Indeed, to divert suspicion he was even encouraged to express himself loudly against Russia and the Reds. The word "officer" never appears in the Tudeh party manual but is replaced by *farhangian* which means "intellectual." Every member had a number and at least one alias; some had several. At meetings they addressed each other by these cover names. Meetings were small, for the basic pattern of the organization was the cell, consisting of only three to six members, and official contact between cells was strictly forbidden.

Communist prosecutes Communist

A STRIKING illustration of the secrecy and perfidy with which the plotters had played their roles came to light after the arrests. When an army lieutenant was court-martialed on charges of Tudeh activity, the assistant prosecutor assigned to the case was none other than Mobasheri, the Communist code maker. Mobasheri blithely handled the case against his fellow conspirator and saw to it that the lieutenant got 10 years. Afterward Mobasheri pretended to believe that the sentence was too light and argued that the man should have been executed.

The plotters' dedication was displayed in other ways. A major at the military academy directed the manufacture of grenades for the underground at a secret site; one day an experimental grenade exploded prematurely, tore off his arm and blinded one of his eyes. Rushed into Tehran, he was operated on by underground doctors and presently recovered. He promptly returned to the manufacture of Molotov cocktails.

If such an elaborate organization seems incredible to the reader, he need not be surprised; it was unknown even to some of the very officers who had been subverted. Only after the arrest and exposure of the entire ring did they realize what small cogs they were in how vast and treasonable an apparatus.

But even more, it is the really superb secrecy in which the conspiracy worked that should give the Western world thoughtful pause. Bakhtiar had one more experience with this before the investigation ended.

While the headquarters on Khaneghah Avenue was being raided, a veteran Communist courier had walked in unsuspectingly and was arrested. He had been held while the arrests and investigations continued but had steadily refused to answer questions about the one unsolved mystery, the location of the Communist printing plant. It obviously had to be a plant of considerable size, judging from the volume of Communist pamphlets, newspapers, cards and leaflets that had poured steadily from it for five years. Yet it had never been located. The courier was repeatedly questioned about it by two army interrogators without result. Then one evening, when Bakhtiar was at a party, one of the interrogators called apologetically to say the courier had

CONTINUED



When you send flowers out of town
be sure your florist speeds your order
by Telephone



Then you'll know your order
is on its way
before you leave his shop

And if it happens that the flowers you want are not in stock in the distant city, you can make *your own* substitution while the florist is on the telephone. Or take advantage of his special bargains. In all cases, you'll find it reassuring to know that the flowers you send will arrive *on time*—as you ordered.

Look for the emblem with the words
"We Speed Flowers by Telephone"
on your florist's window



BELL TELEPHONE SYSTEM



1956 Oldsmobile Ninety-Eight De Luxe Holiday Sedan



1956 Buick Roadmaster 4-Door Riviera



1956 Cadillac Sedan de Ville



It's here. The gayest ice cream of the season!



Bright idea for a holiday get-together. Lady Borden Holiday Bisque Tortoni, confetti-ed with luscious red and green pineapple. It's waiting for you where you see the Lady Borden Sign.

P. S. How long since you've had Lady Borden vanilla, chocolate or strawberry?

Extra-good because it's made with extra cream!



See Borden's new TV show, "The People's Choice"—every week on NBC.

All aboard! All a-Borden's! Get Lady Borden Holiday Bisque Tortoni on Elsie's Good Food Line!



Lady Borden Ice Cream available for Canadians in the provinces of Quebec and Ontario.

Copyright 1955, The Borden Co.



ED ARSENAL of rifles is examined by General Bakhtiar (right). Communists had stolen weapons from the army along with U.S.-supplied equipment.

SOVIET SPY RING CONTINUED

But almost as remarkable as the deep penetration of army officialdom was the secrecy in which this huge plot was wrapped. Once a novice was admitted to full membership in the officers' organization, he immediately gave up his party membership and became inactive as a regular Communist. Indeed, to divert suspicion he was even encouraged to express himself loudly against Russia and the Reds. The word "officer" never appears in the Tudeh party manual but is replaced by *farhangian* which means "intellectual." Every member had a number and at least one alias; some had several. At meetings they addressed each other by these cover names. Meetings were small, for the basic pattern of the organization was the cell, consisting of only three to six members, and official contact between cells was strictly forbidden.

Communist prosecutes Communist

A STRIKING illustration of the secrecy and perfidy with which the plotters had played their roles came to light after the arrests. When an army lieutenant was court-martialed on charges of Tudeh activity, the assistant prosecutor assigned to the case was none other than Mobasheri, the Communist code maker. Mobasheri blithely handled the case against his fellow conspirator and wrote to it that the lieutenant got 10 years. Afterward Mobasheri pretended to believe that the sentence was too light and argued that the man should have been executed.

The plotters' dedication was displayed in other ways. A major at the military academy directed the manufacture of grenades for the underground at a secret site; one day an experimental grenade exploded prematurely, tore off his arm and blinded one of his eyes. Rushed into Tehran, he was operated on by underground doctors and presently recovered. He promptly returned to the manufacture of Molotov cocktails.

If such an elaborate organization seems incredible to the reader, need not be surprised; it was unknown even to some of the very officers who had been subverted. Only after the arrest and exposure of the entire ring did they realize what small cogs they were in how vast and treasonable an apparatus.

But even more, it is the really superb secrecy in which the conspiracy worked that should give the Western world thoughtful pause. Bakhtiar had one more experience with this before the investigation ended.

While the headquarters on Khaneghah Avenue was being raided, a veteran Communist courier had walked in unsuspectingly and was arrested. He had been held while the arrests and investigations continued but had steadily refused to answer questions about the one unsolved mystery, the location of the Communist printing plant. It obviously had to be a plant of considerable size, judging from the volume of Communist pamphlets, newspapers, cards and leaflets that had poured steadily from it for five years. Yet it had never been located. The courier was repeatedly questioned about it by two army interrogators without result. Then one evening, when Bakhtiar was at a party, one of the interrogators called apologetically to say the courier had

CONTINUED



When you send flowers out of town
be sure your florist speeds your order
by Telephone



Then you'll know your order
is on its way
before you leave his shop

And if it happens that the flowers you want are not in stock in the distant city, you can make *your own* substitution while the florist is on the telephone. Or take advantage of his special bargains. In all cases, you'll find it reassuring to know that the flowers *you* send will arrive *on time*—as *you* ordered.

Look for the emblem with the words
"We Speed Flowers by Telephone"
on your florist's window



BELL TELEPHONE SYSTEM

**You know it...
she does, too!**

If ever there was a Christmas gift to tell her how very much you care, that gift is a precious Hamilton watch. You know it—and she does, too! More women dream of owning a Hamilton than of owning any other watch. (So do more men.) And never have there been such glorious Hamiltons as the newest models now at your jeweler's. Hamiltons of inspired design, breath-taking beauty. And price? Hamilton Illinois models start as low as \$33.95!

IT MEANS SO MUCH MORE
TO GIVE...OR GET...A

Hamilton



RUSSELL, \$79.50

HOPE, \$79.50

Prices include Federal tax.



there's a **difference**
between an **ELEPHANT** and a **REINDEER**
and there's a **big difference...**

BETWEEN

Rain Dears
(by LUCKY) ®

and other plastic rainboots!

DEEPER, SHARPER, SAFER TREAD
one-piece molded CONSTRUCTION
smarter, smoother STYLING



UNIVERSAL FIT For all type shoes

Perfect protection for rain, sleet, snow
CLEAR AND SMOKE ... about \$2.00

On sale at Notion, Shoe and Rainwear counters everywhere

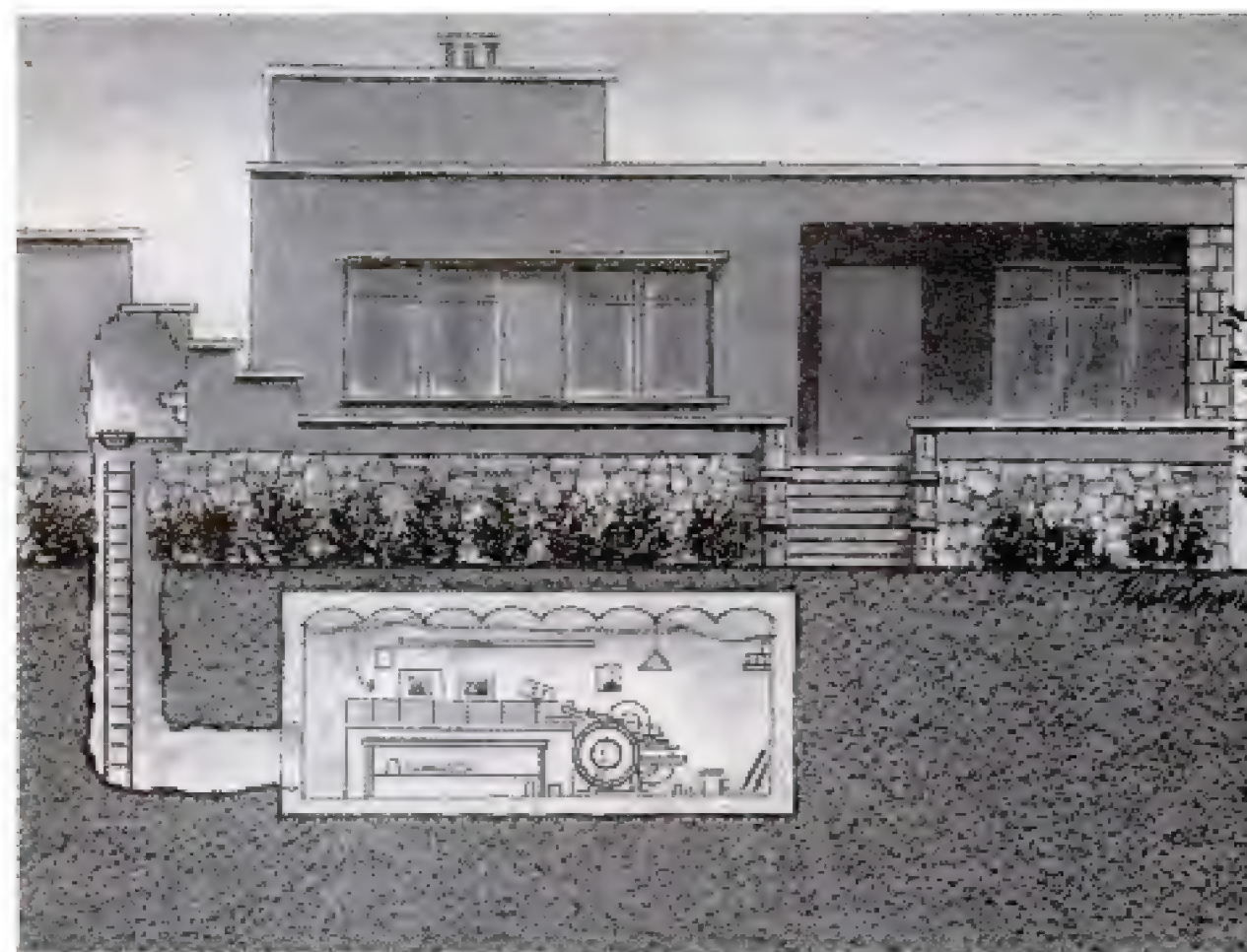


FASHION FIT
for high and Cuban heels



LUCKY SALES CO., INC.

NEW YORK
CHICAGO
LOS ANGELES



WELL-HIDDEN ROOM of Communist printing plant was reached through lavatory of house. Removal of toilet revealed ladder leading down to tunnel.

SOVIET SPY RING CONTINUED

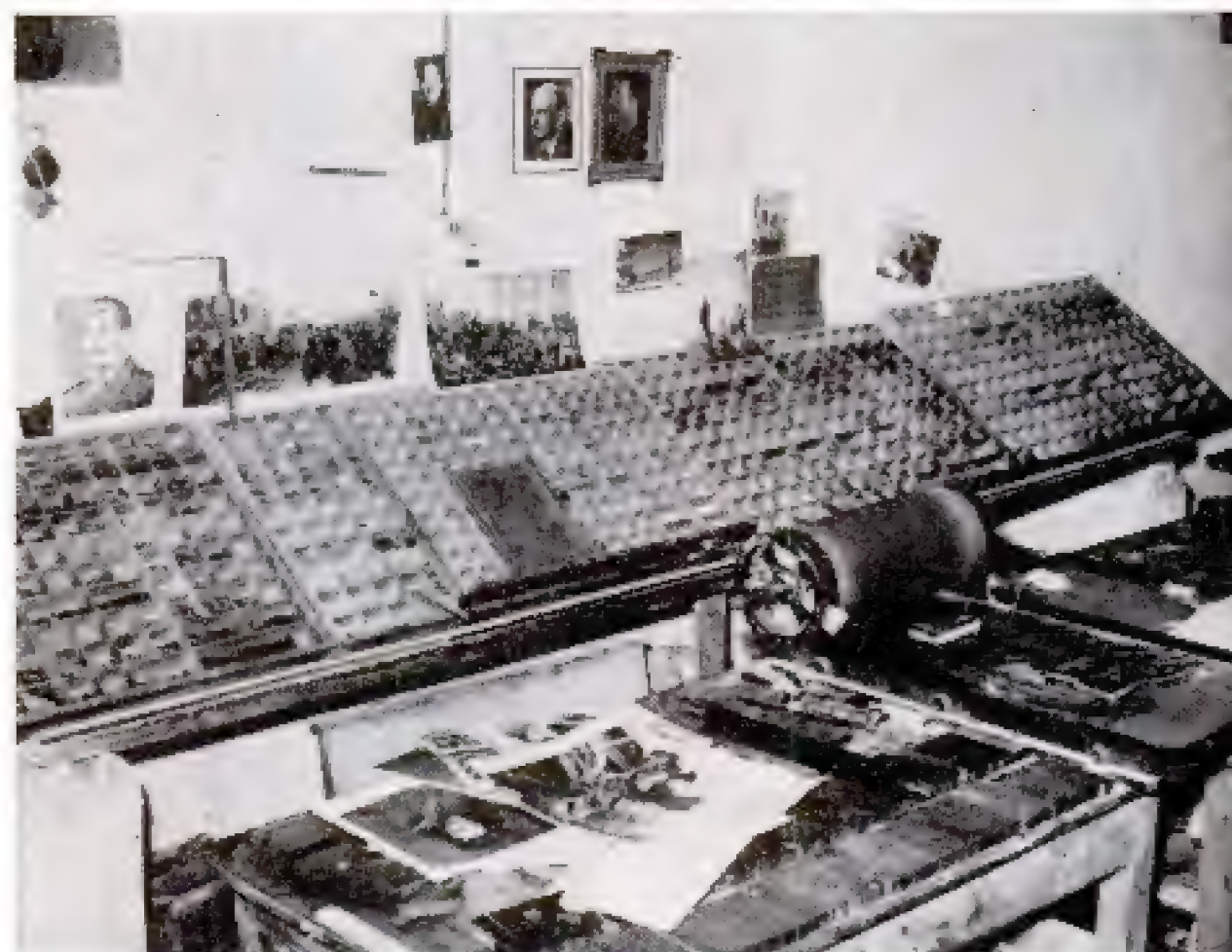
indicated he might make a statement but would do so only to the military governor.

The insistence of prisoners on confessing only to Bakhtiar seems curious to the Western mind, but it is not at all unusual in monarchies for a criminal to throw himself on the mercy of someone who is close to the throne (Bakhtiar is a cousin to the queen). Bakhtiar hurried to headquarters and had the courier brought before him. After the usual verbose preliminaries and demands for leniency, the courier finally muttered the address where the printing press was located.

Bakhtiar and a few aides changed into civilian clothes and reconnoitered the place, which was in the suburb of Dawoodieh, some six miles from the heart of Tehran. It was a new-looking one-story, solidly built brick house surrounded by a wall. Bakhtiar drove back to headquarters, donned his uniform, marshaled a company of jeeps and platoon of soldiers and returned to the wall of the house. Some of the troops surrounded it, then the rest poured in through the gate to be met by shouts from the house: "Halt or we'll fire!" When the occupants realized they were dealing with the army they started to flee and were quickly arrested. Then the house and its attached garage were thoroughly searched. A hole was chopped in the living room floor—but nothing suspicious was found. The three occupants, a woman and two men, protested loudly that they did not know what this was all about. An hour passed. The searchers went over the rooms again and again.

Near the garage was a little lavatory with washbasin and toilet. When Bakhtiar and his aides reached this room the second time, they struck him that the fixtures looked dry and unused. Someone turned a water spigot; no water came out. The oriental-style toilet was jiggled and came loose—revealing a gaping hole beneath, which

CONTINUED



RED PRINTING PLANT is decorated with portraits of Stalin and Lenin. Warning bell above Stalin portrait told Communists to stop noisy press.

THE WHISKY YOU GIVE AND
SERVE WITH PRIDE PRESENTS ITS

new decanter

There's no better way to give the best...famous Old Forester, in this exquisite new gift decanter designed by Raymond Loewy. Same price as standard fifth...same fine bonded bourbon. And remember...there is nothing better in the market.



Get today's newest multi-color carpeting the Bigelow way!

California-style Bigelow Mission Trail broadloom! Get it now! Enjoy it while you pay for it!



*Enough Mission Trail to
carpet 3 average-size rooms
for only **\$21** a month**

It's just amazing the way Bigelow's Mission Trail brings the casual charm of California living right into your home.

This refreshing new wool carpet has a friendly, tweedy texture. And its magic color blending *hides* footprints and scuff marks!

Learn to your delight how Mission Trail adds new warmth and comfort to a room and is so easy to care for.

Yes, home means more with carpet on the

floor—especially if it's a Bigelow. Buy yours the modern way, and enjoy it in your home while you pay for it.

***Get yours now.** Ask your Bigelow retailer to arrange easy terms. Only \$21.00 a month, after small down payment, for enough wonderful Mission Trail for 3 average-size rooms.

You can get room-size Mission Trail rugs on terms, too. Other beautiful Bigelows as low as \$10.00 a month for 3 average-size rooms.

Look for all these extras at a Bigelow retailer's!



The Bigelow Sample-Bar puts a wide variety of Bigelow colors, styles and prices at your fingertips, makes carpet shopping a pleasure.



Expert advice. Your Bigelow retailer will help you select the "just-right" color, texture and weave for every room in your modern or traditional home.



Top-notch service. Whether you buy a room-size rug or have wall-to-wall installation, your Bigelow retailer's skilled staff insures satisfaction.



Bigelow
*Number 1
name in Carpets*

short ladder leading down into a subterranean tunnel that in turn wound to a large, well-lighted white-walled room. The well-appointed living room above had contained a patriotic portrait of the shah; the underground room was decorated with portraits of Lenin, Mao and Stalin. But its chief furniture was two large printing presses, cases of type, stock of newsprint and stacks of underground newspapers and Soviet pamphlets. A bell above Stalin's picture warned the printers to stop the noisy presses whenever a stranger entered the grounds. Examination of the heavy machinery revealed it had been installed during construction of the rest of the house in 1950, and before the floor of the house was laid. It was a classic of surreptitious planning and construction. Bakhtiar believes the plant may have been designed by Stalin himself, since in his early revolutionary years the late Soviet dictator organized a highly successful secret printing plant.

A body blow to the Tudeh

To the Tudeh party the discovery of the printing press was a body blow second only to the roundup of the disloyal officers. Bakhtiar capitalized on it by displaying a nice instinct for propaganda himself and opening the suburban brick house to the public for three months so that all Tehran could come and see how cleverly and expensively Russia had plotted against its good neighbor.

Of the nearly 600 arrested officers, 26 were executed. Five hundred and thirty-nine were given jail terms of from 18 months to five years. Since then 14 have been released. Only a handful of the plotters escaped the country but one of these was Roozbeh, now believed to be in Russia. Abbasi also is apparently out of the country, living in the anonymous security promised him by Bakhtiar. At the moment the outlook in Iran is bright—a situation tacitly acknowledged early this summer when, as a result of the investigation and the trials, the Soviet Union unexpectedly invited the shah to make a state visit to Moscow as an honored guest. But instead of being reassured, the free world might better ponder the realistic determination and cynicism of the veteran Communists in the plot. On the day of their execution, the first 10 sentenced to death were permitted to meet and talk, unshackled, for some hours. "This is our last committee meeting," joked one. "It ends the same old way," grinned another. "The authorities catch us."

When they were tied to stakes and blindfolded, they began shouting Communist slogans. An officer announced to them that the shah, in his mercy, had ordered that provision be made for their dependents. One of them cried out suddenly, "I only ask that you take care of my family."

But Colonel Izatollah Siamak, one of the three Communist leaders, was heard to shout a loud protest to his companion in death. No, no! There are others—meaning the Russians—"who will take care of them."

Then the rifles fired. Of course, Colonel Siamak himself was a bachelor.



DEFENDING SENTENCE OF DEATH, Colonel Izatollah Siamak stands up to defend himself at court martial. A leading conspirator, he died by firing squad.



THE

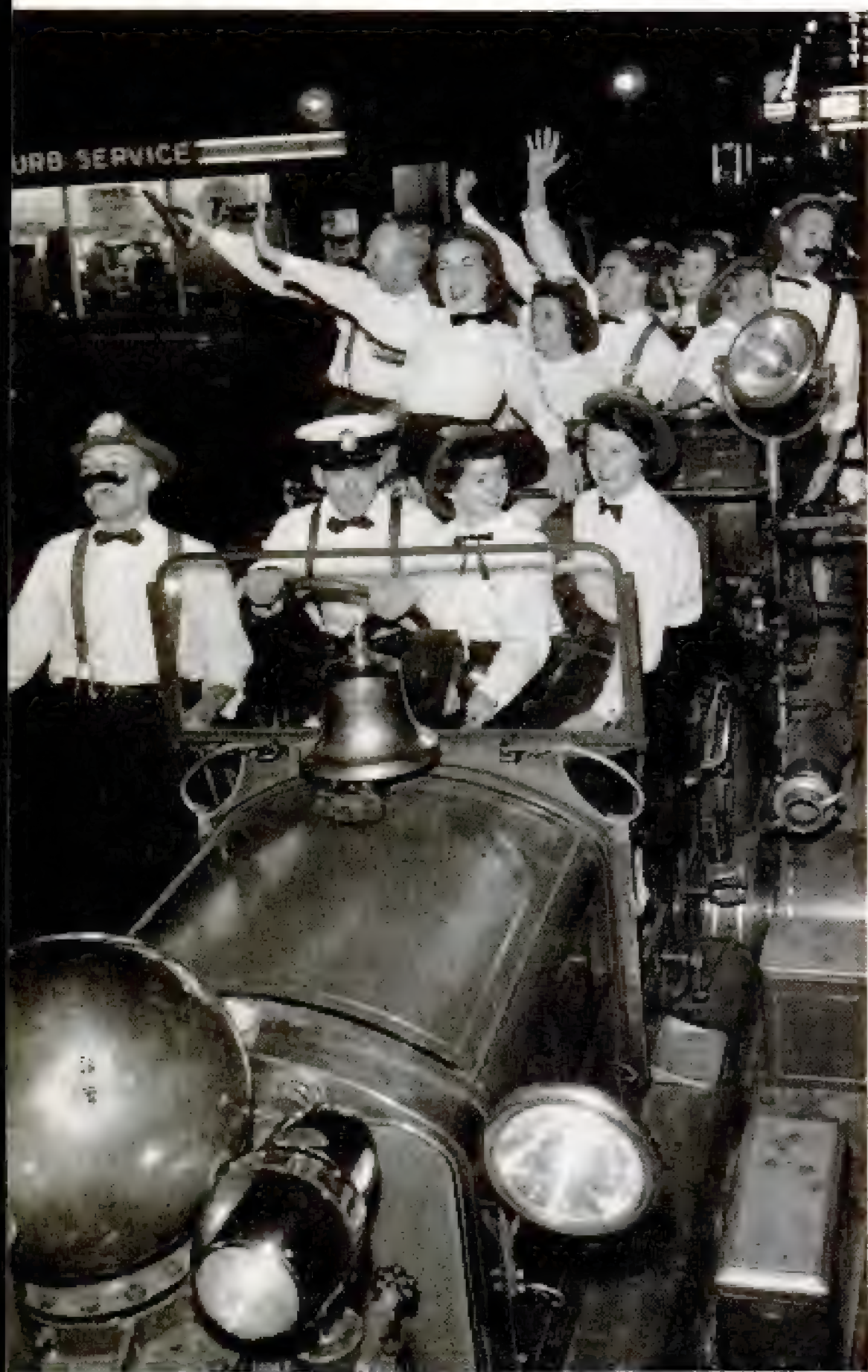
Fabulous Frontier

The most adventurous chapter in LIFE's continuing series on America's Arts and Skills will be presented in next week's issue as LIFE explores "The Fabulous Frontier."

Here in the beautiful color photography and crisp reproduction which has characterized the series thus far, you will find re-created all the restlessness of mid-19th Century America, a time when ours was a nation in motion and streams of emigrants poured across the plains toward the far Pacific.

In LIFE's pages you see the gaudy frontier locomotive and fortresslike Conestoga wagon, the racy river packet and swift Concord coach that helped American pioneers open up the West. Here too you'll find the rude log hut, the singing plow, the mechanized reaper that marked the changing of frontiersmen to homesteaders. You'll visit the ghostly relics of a Western mining town where only the false facades of the saloon and assay office still stand. And along the Mississippi you'll see the more lasting legacy—the ornate and delicate architecture of the French colonists which for all of us is a heritage of timeless beauty. Though LIFE is a magazine dedicated to reporting great events of the contemporary world, our editors find a fund of enlightenment for today's living in the men and events and circumstances of the past. Thus it is the conviction of LIFE's editors that such journalistic forays into the past as *The Truman Memoirs*, *The Churchill Memoirs*, *The History of Western Culture*, *The World We Live In* and, currently, *The Epic of Man* add enormously to the knowledge of all of us. By knowing more about our heritage as a people, what we were and where we came from, all of us can better understand what we are and where we are headed. "The Fabulous Frontier" in next week's LIFE tells much of how we Americans lived—less than a century ago.

ANDREW HEISKELL, *Publisher*



HEADING FOR THE PARTY, the engine goes through town with bell clanging and siren shrieking.



GIRLS DEMONSTRATE FOAM FIREFIGHTING TECHNIQUE WITH SHAVING CREAM CANS. THEY LET FLY AT

Fraternity's Firehouse Fling

OHIO STATE BOYS INVENT PARTY TO GO WITH ENGINE THEY BOUGHT

Last year the Delta Upsilon fraternity at Ohio State University in Columbus got a few hundred dollars together and bought a 1919 Ahrens-Fox fire engine to use in college parades. It was such a huge hit the boys decided to use it as an excuse for a firefighting party each fall. This year's Second Firemen's Fling was held in a fire station in nearby Clinton township. The

boys had planned to start the party by rescuing their girls by ladder from second story dormitory windows, but were discouraged by the dean of women. Dressed in red suspenders and helmets, the boys drove off with their dates in the polished brass splendor of the engine, noisily ignoring city and university officials who had ordered them not to sound the siren in town.

At the firehouse there was a firefighting exhibition by six girls who used shaving cream bombs to put out candles the boys held in their teeth. The party was still sizzling as the midnight deadline approached, and the band played *Goodnight Ladies* with no noticeable effect. The social chairman threw open the firehouse doors and freezing air finally put out the firefighters.



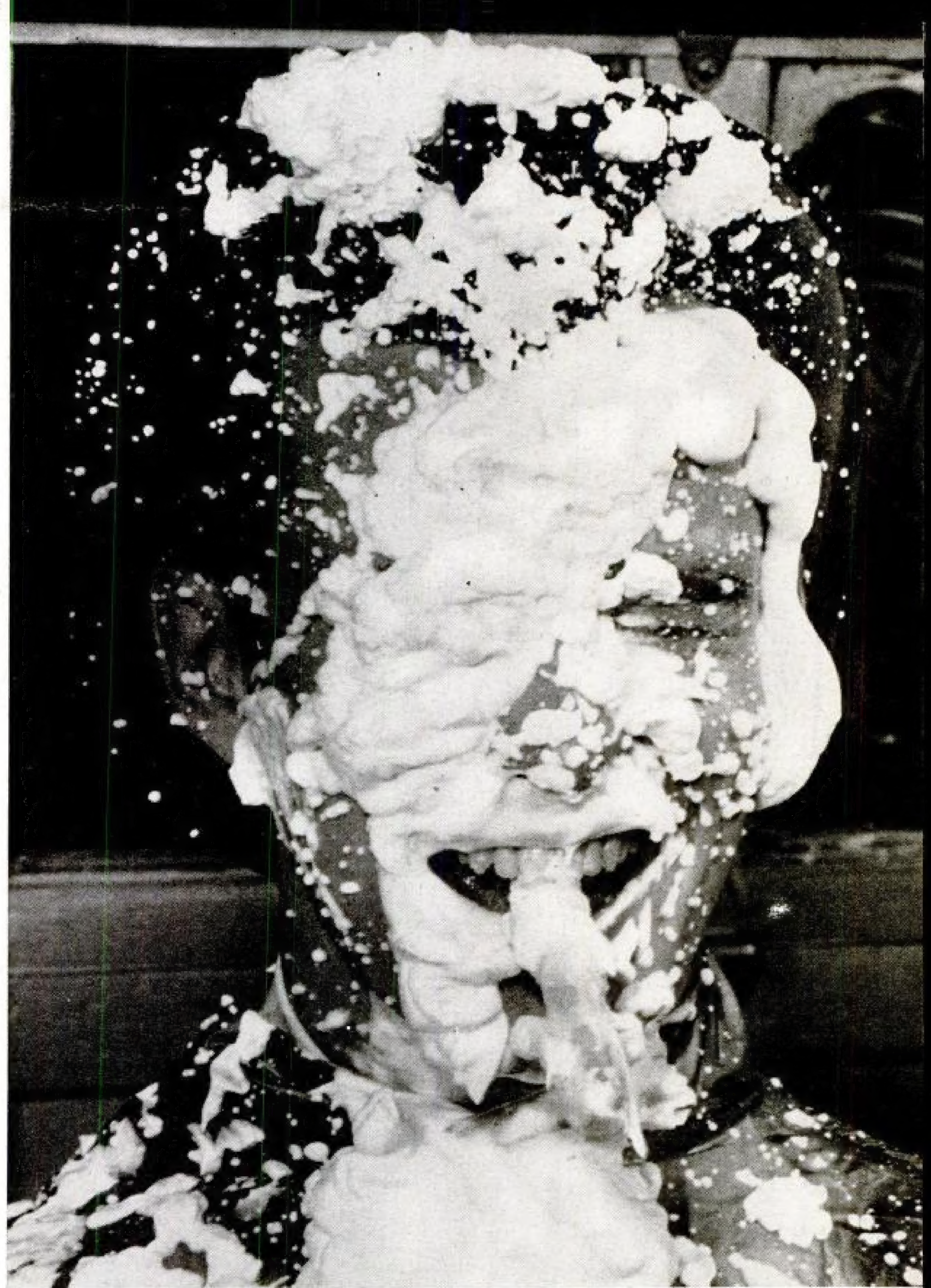
WINNING FOAM FIGHTER Jayne Kenny, date Mike Wilson got red flannels and badges for prizes.

DANCERS CROWD CLINTON FIREHOUSE EMPTIED BY REGULAR FIREMEN WHO MOVED ENGINES OUTSIDE





15 FEET, MISSING, THEY MOVED CLOSER WITH RESULTS SHOWN AT RIGHT



FOAM RESULTS proved splatter technique direct from can (*above*) is quicker than glob method (*below*) used by girl who scooped foam from floor and hurled it.



RESCUE TECHNIQUE for use in smoke-filled rooms was tested when girls were challenged to identify their dates just by their legs. Three of the girls did.





LOG-BOGGED DOG

The hound dog bent around a log in the middle of Warrior Lake, Ala. is having trouble amid triumph. Taking part in an old sport called "coon on a log," he had set out moments before to dislodge a raccoon which had been placed on a log in the lake. The dog had finally knocked the coon into the water and, while officials pulled the coon to safety, tried to

climb onto the log. But as he dug his forefeet into the burlap (sewed on to give the coon a pawhold on the log), his hind feet kept slipping under the log and popping up on the other side. From a nearby boat, Thomas Hill of the *Birmingham News* took this picture just before the dog, still unwilling to give up the struggle, was pulled off and towed back to shore.

Refresh yourself with light, bright **Ballantine**...

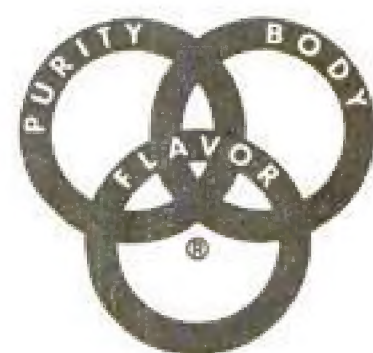
That's Ale, brother!



P. BALLANTINE & SONS, NEWARK, N. J.

**No other ale...or beer...has such flavor
yet is so light and non-filling**

NO WONDER BALLANTINE LEADS ALL ALES IN SALES!



*Enjoy some soon—
Ask the man for*

Ballantine ale



Now-corn that tastes **this good** right off your pantry shelf



It's the **New Fresh-Flavor Process Niblets Brand** corn. You've heard it called "corn-on-the-cob *without* the cob."

Now something new has been added—the Green Giant's exclusive new quick-cooking process. Result:

you get *new* natural color, flavor, and crispness never before found in any can of corn. Taste the difference.



Green Giant Company, headquarters, Le Sueur, Minnesota; Green Giant of Canada, Ltd., Tecumseh, Ontario. • "Niblets" Brand Reg. U. S. Pat. Off. © GGC Co.